### UCF REGIONAL CAMPUS SYSTEM

**UCF Cocoa**  
(In partnership with Brevard Community College)  
1519 Clearlake Road, Building 3  
Cocoa, FL 32922  
321-433-7821

**UCF Daytona Beach**  
(In partnership with Daytona State College)  
1200 W. International Speedway Blvd.  
Daytona Beach, FL 32114  
386-506-4021

**UCF Heathrow**  
(In partnership with Seminole Community College)  
600 Colonial Center Parkway  
Lake Mary, FL 32746  
407-531-5450

**UCF Leesburg**  
(In partnership with Lake-Sumter Community College)  
9501 U.S. Highway 441  
Leesburg, FL 34788  
352-536-2113

**UCF Ocala**  
(In partnership with Central Florida Community College)  
3001 S.W. College Road  
Ocala, FL 34474  
352-854-2322, Ext. 1824

**UCF Palm Bay**  
(In partnership with Brevard Community College)  
250 Community College Parkway  
Building 3  
Palm Bay, FL 32909  
321-433-7838

**UCF Sanford/Lake Mary**  
(In partnership with Seminole Community College)  
100 Weldon Boulevard, Building R  
Sanford, FL 32773  
407-708-2471

**UCF South Lake**  
(In partnership with Lake-Sumter Community College)  
1250 North Hancock Road  
Clermont, FL 34711  
352-536-2113

**UCF South Orlando**  
7300 Lake Ellenor Drive  
Orlando, FL 32809  
407-856-6585

**UCF Valencia Osceola**  
(In partnership with Valencia Community College)  
1800 Denn John Lane  
Building 3, Suite 319  
Kissimmee, FL 34744  
407-582-4190

**UCF Valencia West**  
(In partnership with Valencia Community College)  
1800 South Kirkman Road  
Building 1, Room 130  
Orlando, FL 32811  
407-582-5500

**UCF Valencia West**  
(In partnership with Valencia Community College)  
1800 South Kirkman Road  
Building 1, Room 130  
Orlando, FL 32811  
407-582-5500

### UNDERGRADUATE INFORMATION

**Undergraduate Admissions**  
University of Central Florida  
PO Box 160111  
Orlando, FL, 32816-0111  
407-823-3000

**Student Financial Assistance Office**  
University of Central Florida  
4000 Central Florida Boulevard  
Mickey Hall, Room 120  
Orlando, FL 32816-0113  
407-823-2827

**Registrar’s Office**  
University of Central Florida  
PO Box 160114  
Orlando, FL 32816-0114  
407-823-3100

**Housing and Residence Life Office**  
University of Central Florida  
PO Box 160114  
Orlando, FL 32816-0114  
407-823-4663

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The UCF Creed

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

**Integrity**
I will practice and defend academic and personal honesty.

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

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

**Creativity**
I will use my talents to enrich the human experience.

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

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
Welcome to the University of Central Florida — the university that stands for opportunity!

I hope you share my excitement about what the academic year promises. How well it turns out for you will depend primarily on the effort you invest in your own intellectual and professional development. Invest wisely, and be assured that UCF’s faculty and staff members pledge their best efforts in helping you attain your educational goals.

As you pursue your studies, please remember that a college education is more than academics. Education extends beyond the classroom, laboratory, or studio to campus clubs and organizations, concerts, plays, speeches, and athletic events. I urge you to become involved in UCF campus life and to make some commitment to serving your community. Besides being a force for campus and community improvement, the effort can be educationally rich and personally fulfilling.

Finally, take pride in your university. Like the Pegasus, our symbol, UCF is on the ascent, truly standing for opportunity. Our students excel in national competitions and organizations; members of our faculty are known internationally for their research and teaching; a number of our men’s and women’s athletic teams are conference champions; and our football team competes in Division I-A. We have much to be proud of.

You have my best wishes for success and my assurance that UCF faculty and staff are committed to helping you complete your degree so that you can join a proud group of over 170,000 alumni.

Cordially yours,

John C. Hitt
President
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<th>Session C</th>
<th>Session D</th>
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<td>May 18 - June 26</td>
<td>June 29 - August 7</td>
<td>May 18 - August 7</td>
<td>May 18 - July 17</td>
</tr>
<tr>
<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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<tr>
<td>Application Deadline for All New Undergraduate</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
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<td>April 1</td>
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<tr>
<td>Application Deadline for Graduate Programs</td>
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<td></td>
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<tr>
<td>Graduation Application</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
</tr>
<tr>
<td>(Online Intent to Graduate on myUCF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for State Employees,</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits and STEP</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>(begins 3:30 p.m.)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>On-campus Housing opens (1:00 p.m.)</td>
<td>May 17</td>
<td>June 27</td>
<td>May 17</td>
<td>N/A</td>
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<tr>
<td>Classes begin</td>
<td>May 18</td>
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<tr>
<td>Late Registration 3 on myUCF</td>
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<td>May 18-22</td>
<td>May 18-22</td>
</tr>
<tr>
<td>(ends at 11:59 p.m. on last day)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 1</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 1</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 22</td>
<td>July 2</td>
<td>May 22</td>
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<td>July 10, 2009 - Students registering for Summer B only 5/23/09 through 7/02/09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 5</td>
<td>July 17</td>
<td>June 26</td>
<td>June 19</td>
</tr>
<tr>
<td>Withdrawal Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 5</td>
<td>July 17</td>
<td>June 26</td>
<td>June 19</td>
</tr>
<tr>
<td>CLAST test (register by May 8)</td>
<td>June 6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 1,3</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
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<tr>
<td>Classes End; Last Day to Remove Incomplete 4</td>
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<tr>
<td>Final Examination Periods</td>
<td>Given during last class meeting</td>
<td></td>
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<tr>
<td>On-campus Housing close (noon)</td>
<td>June 27</td>
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<tr>
<td>Grades Due on myUCF</td>
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<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
</tr>
</tbody>
</table>

**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 (MH 329) at 407-823-6479.

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register March 23 - May 22; Summer B payment deadline for all students who register May 23 - July 2.
3 $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.
4 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.
5 Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

- **Memorial Day Holiday** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . May 25, 2009
- **Independence Day Holiday** . . . . . . . . . . . . . . . . . . . . . . . . . . . July 3, 2009
## 2009 - 2010 FALL/SPRING ACADEMIC CALENDAR

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</tr>
</thead>
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<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2009</td>
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<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2009</td>
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<tr>
<td>Application Deadline for Readmission</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 7</td>
<td>December 3, 2009</td>
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<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
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<tr>
<td>Registration for Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>On-campus Housing Opens (1:00 p.m.)</td>
<td>August 21</td>
<td>January 9</td>
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<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td>January 11</td>
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<tr>
<td>Late Registration 1,2 on myUCF (ends at 11:59 p.m. on last day)</td>
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<td>January 11-15</td>
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<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td>January 15</td>
</tr>
<tr>
<td>Payment deadline 1</td>
<td>September 4</td>
<td>January 22</td>
</tr>
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<td>CLAST Test (register by Sept. 4-Fall / Jan. 22-Spring)</td>
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<td>February 20</td>
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<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
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<td>VA Deferral Payment Deadline 2</td>
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<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>December 7</td>
<td>April 26</td>
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<tr>
<td>Final Examination Period</td>
<td>December 8-14</td>
<td>April 27 - May 3</td>
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<td>On-campus Housing Closes (noon)</td>
<td>December 15</td>
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<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 17</td>
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<td>December 18</td>
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<td>Commencement</td>
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<td>May 7-8</td>
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<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 19</td>
<td>May 8</td>
</tr>
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</table>

**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar ([http://www.registrar.sdes.ucf.edu/calendar](http://www.registrar.sdes.ucf.edu/calendar)) for information. All 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 (12424 Research Parkway, Suite 169) at 407-823-6479.

1 **$100 Late Payment Fee** applies to students who do not pay their fees or do not pay their fees by the due date.
2 **$100 Late Registration Fee** applies to students who have not enrolled by the close of Registration.
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 the Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>Sept. 7, 2009</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>November 9-14, 2009</td>
</tr>
<tr>
<td>Veteran’s Day Holiday</td>
<td>November 11, 2009</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>November 26-28, 2009</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 18, 2010</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 8-13, 2010</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 7, 2010</td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement

The University of Central Florida, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in this 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 this 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 and use of alcohol is harmful and prohibited 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 this 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 on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, veteran’s status, and sexual orientation 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-1EEO. 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 use of alcohol is harmful and prohibited, 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 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.

Guidelines

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

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

the instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined in The Golden Rule.

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, and e-mailing correspondence to instructors or fellow students. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided free Knight’s E-mail accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University’s Web site at http://cstore.ucf.edu/page.cfm/recommendations.html.

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 university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program.

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 and critical 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.

Additionally, each student must have an up-to-date emergency e-mail address and cell phone number by which to be reached in case of a crisis on campus. This emergency contact information will be used only for emergency 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 communication, including issues relating to academics, finances, registration, parking, and all 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 on a regular basis, their Knights E-Mail account. 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 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 Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master’s, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

- **College/Discipline**: Arts and Humanities
  - **Accrediting Body**: National Association of Schools of Music (NASM)

- **College/Discipline**: Business Administration (all disciplines)
  - **Accrediting Body**: The Association to Advance Collegiate Schools of Business (AACSB International)

- **College/Discipline**: Education (all disciplines)
  - **Accrediting Body**: State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)

- **College/Discipline**: Engineering and Computer Science
  - **Accrediting Body**: Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700

- **College/Discipline**: Engineering Technology and Electrical Engineering Technology - Electrical Systems Concentration
  - **Accrediting Body**: Accredited by the Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700

- **College/Discipline**: Health and Public Affairs
  - **Accrediting Body**: Joint Review Committee on Education in Radiologic Technology (JRCERT)

- **College/Discipline**: Hospitality Management
  - **Accrediting Body**: Accreditation Commission for Programs in Hospitality Administration (ACPHA)

- **College/Discipline**: College of Medicine - Burnett School of Biomedical Sciences
  - **Accrediting Body**: National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

- **College/Discipline**: Nursing
  - **Accrediting Body**: Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing

- **College/Discipline**: Sciences
  - **Accrediting Body**: American Chemical Society (ACS) Committee On Professional Training

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.

Undergraduate Catalog 2009-2010
The University

UCF Stands For Opportunity: The University of Central Florida is one of the most dynamic universities in the country in one of the most popular cities in the world. Offering 225 degree programs, it is an academic and research leader in numerous fields, such as optics, biomedical engineering, computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.

UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless abilities, with 600 acres set aside for lakes, woods and an arboretum. UCF has 12 colleges, including the newly College of Medicine. The Burnett Honors College offers both required classroom attendance and online instruction. All M

MIXED-MODE/REDUCED SEAT TIME (M): These courses include based instruction and collaboration. Courses may require proctored

WORLD WIDE WEB (W): These courses conducted fully via Web-based instruction. Web-related instruction modes are:

WORLD WIDE WEB (W): These courses conducted fully via Web-based instruction and collaboration. Courses may require proctored exams, and may include opportunities for face-to-face orientations, but there will be no regular class attendance requirements.

MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have a minimum of 20% of active contact hours conducted over the Web, which will substitute for some classroom meetings.

These types of courses will require access to the Internet, Web-browsing knowledge, ability to use e-mail, and basic computer skills such as word processing. Students can also expect to encounter similar Internet requirements in any course offered by UCF, regardless of the specific mode of instruction. For information about degree and certificate programs available online, visit http://online.ucf.edu or write to online@ucf.edu.

Regional Campuses

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 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 minor, 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, small 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 Community 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 Web site at http://www.regionalcampuses.ucf.edu.
## University of Central Florida/Campuses

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<tr>
<td>Coordinator, Administrative Services</td>
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<tr>
<td>Coordinator, Head of Partnership, Library Services</td>
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<tr>
<td>Senior Art Specialist</td>
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### Central Region

**UCF West Orlando, UCF South Orlando, UCF Osceola**

- **Director, Academic Support Services**: Edgar Martinez
- **Coordinator, Academic Support Services**: Carolyn Obexer
- **Coordinator, Academic Support Services**: Nick Pantonii
- **Coordinator, Academic Support Services**: Lisa Cruz

**Coordinator, Enrollment Services**: TBA

**Coordinator, Regional Campus Enrollment Services (Financial Aid)**: Shellie Thomas-Small

### Eastern Region

**UCF Daytona**

- **Assistant Vice President and Director, Daytona Beach Campus**: Linda Bradley
- **Associate Director, Academic Support Services**: Tena Harris
- **Director, Regional Campus Student Services**: Diana Weidman

**Coordinator, Enrollment Services**: Raphel Robinson

**Coordinator, Academic Support Services**: Darryl Greely

**Coordinator, Academic Support Services**: Kevin Snyder

**Coordinator, Computer Technology**: Jason Mayer

**UCF Sanford/Lake Mary, UCF Heathrow, UCF Altamonte**

- **Associate VP and Director, UCF Sanford/Lake Mary**: David Meador
- **Coordinator, Academic Support Services**: Sean Armstrong

**Coordinator, Enrollment Services**: Pamela Williams

**Coordinator, Academic Support Services**: Jackie West-Lee

**Coordinator, Academic Support Services**: Michelle Camden

**Computer Specialist**: Russell Crudington

### Southern Region

**UCF Cocoa, UCF Palm Bay**

- **Associate VP Academic Affairs and Interim Campus Director, Cocoa/Palm Bay**: Denise Young

**Director, Regional Campus Student Services**: Terry Exum

**Coordinator, Regional Campus Student Services**: James C. Smith, Jr.

**Assistant Director, Enrollment Services**: TBA

**Assistant Director, Academic Support Services**: Marilyn Borges

**Coordinator, Academic Support Services**: Angela Jones

**Coordinator, Academic Support Services**: Shakira Guice

**Coordinator, Academic Support Services**: John King

**Coordinator, Academic Support Services**: Sheryl Schagen

**Coordinator, Computer Technology**: Sue Sorenson

### Western Region

**UCF South Lake, UCF Ocala, UCF Leesburg**

- **Assistant Vice President, Academic Affairs**: Cecelia Rivers

**Associate Director, Academic Support Services**: Tanya Armstrong

**Director, Regional Campus Student Services**: Pamela Brady

**Assistant Director, Regional Campus Enrollment Services**: Christy Pasnisin

**Coordinator, Regional Campus Enrollment Services**: TBA

**Coordinator, Academic Support Services**: Selena Forrester

**Coordinator, Academic Support Services**: Rob Tinsley

**Coordinator, Academic Support Services**: Bethany Larson

**Coordinator, Academic Support Services**: Scott Larson

**Coordinator, Computer Technology**: Mei Wong

### UCF Cocoa

**321-433-7823**

(In partnership with Brevard Community College)

### Undergraduate Degree Programs

- **Applied Science (B.A.S.) Office of Undergraduate Studies**
  - **Tracks**: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
  - **Aerospace Engineering (3rd year B.S.A.E.) College of Engineering and Computer Science**
  - **Business Administration (B.A.) College of Business Administration**

### Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs

- **Criminal Justice (B.A., B.S.) College of Health and Public Affairs**
- **Elementary Education (B.S.) College of Education**
- **Engineering Technology: Operations (B.S.E.T.) College of Engineering and Computer Science**
- **Exceptional Student 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**
- **Mathematics Education (B.S.) College of Education**
- **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**
- **Western Region**
  - **College of Business Administration**
  - **College of Engineering**
  - **College of Health and Public Affairs**
  - **College of Sciences**
  - **College of Social Work**
- **Campuses**
  - **Class of Business Administration**
  - **Class of Engineering**
  - **Class of Education**
  - **Class of Health and Public Affairs**
  - **Class of Sciences**
  - **Class of Social Work**
- **Graduate Degree Programs**
  - **Applied Sociology (M.A.) College of Sciences**
  - **Criminal Justice (M.S.) College of Health and Public Affairs**
  - **Educational Leadership (M.Ed.) College of Education (Cohort)**
  - **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**
  - **Reading Education (M.Ed.) College of Education (Cohort)**

### UCF Daytona Beach

**386-506-4021**

(In partnership with Daytona Beach College)

### Undergraduate Degree Programs

- **Applied Science (B.A.S.) Office of Undergraduate Studies**
  - **Tracks**: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
  - **Business Administration (B.A.) College of Business Administration**
  - **Criminal Justice (B.A., B.S.) College of Health and Public Affairs**
  - **Early Childhood Education (B.S.) College of Education**
  - **Elementary Education (B.S.) College of Education**
  - **Exceptional Student Education (B.S.) College of Education**
  - **Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies**
  - **Legal Studies (B.A., B.S.) College of Health and Public Affairs**
  - **Mathematics Education (B.S.) College of Education**
  - **Nursing (B.S.N., R.N. to B.S.N.) College of Nursing**
  - **Photography (B.S.) College of Arts and Humanities**
  - **Political Science (B.A.) College of Sciences**
  - **Psychology (B.S.) College of Sciences**
  - **Social Science Education (B.S.) College of Education**
  - **Social Sciences (B.S.) College of Sciences**
  - **Sociology (B.A.) College of Sciences**
  - **Technical Education and Industry Training (B.S.) College of Education**

###齊科特卡

**2009-2010 Undergraduate Catalog**

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

Graduate Degree Programs
- Business Administration (M.B.A.) College of Business Administration
- Career and Technical Education (M.A.) College of Education
- Clinical Psychology (M.A.) College of Sciences
- Criminal Justice (M.S.) College of Health and Public Affairs
- Educational Leadership (M.Ed.) College of Education
- Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
- Reading Education (M.Ed.) College of Education
- Social Work (M.S.W.) College of Health and Public Affairs

UCF Heathrow
407-531-5450
(In partnership with Seminole County Community College)

Graduate Degree Programs
- Industrial and Organizational Psychology (M.S.) College of Sciences (Cohort)
- Reading Education (M.Ed.) College of Education (Cohort)

This location also provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

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 Community College)

Undergraduate Degree Programs
- Applied Science (B.A.S.) College of Education
- Elementary Education (B.S.) College of Education (Cohort)
- Interdisciplinary Studies (B.A., B.S.) College of Education (Cohort)
- 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 Community College)

Undergraduate Degree Programs
- Business Administration (B.A.) College of Business Administration
- Elementary Education (B.S.) College of Education
- Interdisciplinary Studies (B.A., B.S.) College of Education
- Mathematics Education (B.S.) College of Education
- 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 Sanford/Lake Mary
407-328-2471
(In partnership with Seminole Community College)

Undergraduate Degree Programs
- Applied Science (B.A.S.) College of Education
- Elementary Education (B.S.) College of Education (Cohort)
- Interdisciplinary Studies (B.A., B.S.) College of Education (Cohort)
- 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
- Organizational Communication
- Politics
- Psychology
- Social Sciences - Interdisciplinary
- Sociology

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

Undergraduate Degree Programs
- Business Administration (B.A.) College of Business Administration
- Elementary Education (B.S.) College of Education
- Interdisciplinary Studies (B.A., B.S.) College of Education
- Mathematics Education (B.S.) College of Education
- Psychology (B.S.) College of Sciences
- Social Science Education (B.S.) College of Education

Undergraduate Minors
- Business (for non-business minors)
- Criminal Justice
- Elementary Education
- English - Writing
- Health Services Administration
- History
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Social Sciences - Interdisciplinary
- Sociology
University of Central Florida/Campuses

Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies (B.A., B.S. College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (R.N. to B.S.N.) College of Nursing (concurrent with SCC A.S.N.)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Social Sciences (B.S.) College of Sciences

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Sports and Fitness (B.S.) College of Education
Social Science Education (B.S.) College of Education

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

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

UCF West Orlando
407-582-5500
(In partnership with Valencia Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Electrical Engineering (third year) (B.S.E.E.) College of Engineering and Computer Science
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor)
Psychology (B.S.) College of Sciences

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

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

General Regional Campus information:
Web site: http://www.regionalcampuses.ucf.edu

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

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

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

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

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

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

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

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

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

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

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.
UCF Public Safety and Police

Chief: Richard Beary; Building #49, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

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

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

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

The Investigations Division (407-823-5980) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

The Community Relations Division (407-823-0258) offers crime prevention seminars regarding the protection of personal property, personal safety, and identity theft. 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, (the main office number: 407-823-2425; provides services for: 1) advocacy and practical assistance; 2) information and referrals; and 3) educational programming.


Information Technologies and Resources

Vice Provost: Joel L. Hartman, MH 350; 407-823-6778
http://www.itr.ucf.edu

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

University Libraries

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

Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2544


University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 18,000 journal subscriptions, 3 million microforms and 47,000 media titles. The Libraries' rapidly growing electronic resources include 358 databases, 97,000 electronic journals and 11,500 electronic books. UCF Libraries is a partial depository for United States, Florida government publications and U.S. patents and trademarks. The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus library. Forty laptops equipped with wireless cards 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 practice room are available in UCF Libraries. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

Infusion, the Libraries' newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries' web-based catalog can be accessed from any public or home PC, and offers 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 web site http://library.ucf.edu/ask/ connects students with Ask a Librarian, where questions are 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 in UCF students through the provision of InfoLit modules, http://infollit.ucf.edu/, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty may 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, but held by other libraries worldwide. Most book loans, photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ill. For more information, call 407-823-2383 during office hours or visit the ILL Web site.

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

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service 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. The Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritages, 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 (COE). The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. Although the CMC primarily serves COE 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. Though the faculty primarily serves the students, faculty, and staff of the Rosen College, the library is open to the entire UCF community as well as to hospitality industry professionals. The Library is fully staffed and users have access to most of the services and resources provided by 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.aspx and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/locations.aspx. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partner sites by appointment.

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

Office of Instructional Resources
Director: TBA; Classroom Building 1, Room 203; 407-823-2571; Fax 407-823-2109
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) supports UCF with multimedia design and production, digital media, Webcasting, video streaming, interactive video course delivery (ITV), video production, digital photography, graphics, and a full range of multimedia classroom support services. OIR’s Faculty Multimedia Center (CL 1 202) provides production assistance and training resources for faculty members. OIR’s interactive video classroom (CL 1 320) is used for videoconferencing and ITV course originations. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all classrooms at UCF are multimedia equipped.

OIR also provides videoconferencing services. All Regional Campus sites, the Center for Distributed Learning in the Partnership II building, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details at http://www.oir.ucf.edu/ or 407-823-2571.

Course Development and Web Services
Director: Barbara Truman; LIB 107; 407-823-3718
http://cdws.ucf.edu

Course Development and Web Services (CDWS) supports UCF’s online initiative: Online@UCF (http://online.ucf.edu), the myUCF portal (http://my.ucf.edu), and enterprise applications such as AskUCF (http://ask.ucf.edu), and eCommunity (http://ecomunity.ucf.edu). CDWS also conducts faculty development for online course development and delivery. Examples of faculty development include IDL6543 (http://reach.ucf.edu/~idl6543), ADL5000 (http://reach.ucf.edu/~adl5000), and Essentials (http://reach.ucf.edu/essentials). CDWS offers support for students taking online courses through the Learning Online Web site (http://eam.ucf.edu), and offers support for faculty members through the Teaching Online Web site (http://teach.ucf.edu/index.html).

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 Association, Inc. 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 (except women's wrestling) in Conference USA. Intercollegiate sports 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 programs. The 6-year graduation rate for the Fall 2002 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2007 students is 85.5 percent. The information is public and available for review on the Institutional Research Web site.

The UCF Arena
http://www.ucfarena.com

The new 10,000 seat UCF Arena, which opened Fall 2007, is home to UCF Men’s and Women’s Athletic events, competitions, tournaments and major University occasions including graduations and convocations. The Arena showcases major name talent, concerts, and touring shows.

The original UCF arena located behind and adjacent to the new Arena is now called “The Venue.” An extensive renovation has been completed transforming it into a more intimate performance space featuring established, regional, and up-and-coming individual talent, bands, shows, special events and selected athletic events, including volleyball, men’s and women’s basketball practices, and basketball and cheerleading camps. Depending upon configuration, the facility can seat up to 1,800.

Please visit our Web site at http://www.ucfarena.com. For event, retail, or rental information, call 407-823-3070.

Campus Bookstores
There are two Barnes & Noble bookstores on the UCF main campus.

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the text book and course material destination. It offers a complete line of UCF clothing, logo gift items, convenience and snack items, as well as a full service Starbucks cafe. For more information call 407-823-2665 or visit the Web site at http://www.ucf.bncollege.com.

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

Transportation Services
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 15 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m.

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 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 semesters.

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.

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 Web site, 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: jinh@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 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.

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 develops and maintains alumni awareness and supplies the resources for members to stay connected. While UCF alumni comprise the core member group, membership in the UCF Alumni Association is offered during all phases of UCF life. Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association and parents of UCF students can stay connected through parent memberships with the alumni association. Membership in 4EK provides many benefits, including:

- FREE STUFF - membership key card, Student Connection newsletter and discounts including 15% off all UCF logo merchandise at the UCF Bookstores
- FUN - Family Weekend, BBQ’s, Homecoming, Oozeball and more
- CONNECTIONS - Networking with UCF students & alumni
- LEADERSHIP OPPORTUNITIES - Eligible to become a student ambassador
- SCHOLARSHIP OPPORTUNITIES - the alumni association awards more than $40,000 in scholarships to eligible UCF students every year.

To join the UCF Alumni Association as an alum, student or parent member, or for more information, stop by the UCF Alumni Association at the FAIRWINDS Alumni Center; call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); or connect anytime at http://www.ucfalumni.com.

UCF Foundation, Incorporated

The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
The mission of the UCF Office of Operational Excellence and Assessment (OEAS) is to support efforts to improve the effectiveness and efficiency of University operations and the quality of student learning outcomes through assessment. OEAS will accomplish 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

http://www.news.ucf.edu

News and Information is the university’s primary media and public relations office. The office communicates relevant information about the university to its many publics.

**Regional Campuses**

**Transfer Admission, Enrollment Services and Marketing**

**Assistant Vice President:** Angela Peterson; University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547

http://regionalcampuses.ucf.edu

The Office of Transfer Admission, Enrollment Services and Marketing works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to the 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**

**Assistant Vice President:** TBA; MH 120; 407-823-2827

http:// finaid.mca.ucf.edu

The Office of Student Financial Assistance coordinates the eligibility and distribution of financial resources for all students. The office provides options to help students meet their educational goals through work study employment, comprehensive counseling, and information using print and electronic media. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

**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...
Division of Strategy, Marketing, Communications, and Admissions

resources & departments

Division of Strategy, Marketing, Communications, and Admissions

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. 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

Television Services adds value to the UCF brand by developing and distributing television programs that help differentiate UCF as a leading metropolitan research university. The programming highlights the university’s academic achievements, economic development, cultural contributions, and community relationships. Television Services serves as a strategic integrated communication vehicle through its video production, television program development, and distribution services units. Video production and distribution capabilities include studio and on-location video production, editing, and Vyvx video uplink services. Through strategic community partnerships with Bright House Networks and WBCC-TV, viewers in the Central Florida region are able to watch UCF television programs via antenna, cable, and satellite TV. Internet distribution expands the university’s reach across the globe.

Undergraduate Admissions

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 the Orlando, Cocoa, South Lake, and Daytona campuses. The office’s primary mission is to identify, attract, 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/Wednesday/Friday 9 a.m. to 5 p.m.

University Analysis and Planning Support

The office of University Analysis and Planning Support (UAPS) enhances the management capability within the University and increases UCF’s ability to deliver an educational experience that increases student learning outcomes by providing timely data analysis, planning, and research support across a broad spectrum of management responsibilities, ranging from strategic planning to detailed program management. UAPS provides models and information relying on data that are relevant and meaningful to provide direct support as well as to empower academic and administrative units and external stakeholders to utilize models, analysis, and research results as the cornerstone for informed decision-making.

University Marketing

University Marketing is a full-service integrated communications and marketing department whose staff is comprised of award-winning graphic design and copywriting professionals. University Marketing works with UCF clients to reach their goals through counsel and development of important, reputation-building materials. In addition to working with internal clients, University Marketing extends its reach to metro Orlando and beyond through its branding efforts. Under the umbrella-themed “UCF Stands For Opportunity,” the unit increases the university’s visibility and enhances its reputation by distributing key UCF messages in various media including print, television, radio, and Internet.
Division of Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services:
Maribeth Ehasz; MH 282; 407-823-4372

Introduction
The Division of Student Development and Enrollment Services (SDES) is responsible for the administration and management of programs, services, facilities and activities designed to promote and support student learning both inside and outside the classroom. Our goals are guided by student learning outcomes that insure student success.

The SDES Vision is: “SDES empowers students to succeed by adding values.”

Student Development and Enrollment Services empowers students to succeed by providing learning opportunities that support the development of the core values: integrity, scholarship, community, creativity and excellence.

Goals of the division are to:
- Provide quality programs, services and learning environments that promote progression to graduation, graduate school, and productive employment.
- Create opportunities for students to strengthen life skills and develop purpose, integrity, ethical standards and civic responsibility.
- Embrace diversity and foster student engagement in the global community.
- Build collaborative partnerships.

Academic Services for Student-Athletes (ASSA)
Director: Mark Gumble; WDSC 104; 407-823-5896
http://www.assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes 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 in their personal development through participation in the NCAA CHAMPS Life-Skills Program;
- 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 Sciarrino; SU 215; 407-823-5548
http://www.asf.ucf.edu

The Activity & Service Fee Business Office provides a variety of services to UCF students. The office processes purchase requests for most Activity & Service Fee Agencies and all Student Government allocations. We provide financial training workshops to student organization officers and their faculty/staff advisors. The office also provides 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, which is located in SU 209. The Student Government Computer Lab has 42 computer stations available and provides free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of discounted tickets to local amusement parks and movie theaters, and is also an authorized TicketMaster Retail Outlet.

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

The Alcohol and Other Drug Prevention (AOD) Programming Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, and referrals for treatment. The AOD Office partners with other campus and community programs to create a healthy environment for students to study, work and play. Programs, activities and support services are provided to students to encourage low risk, responsible choices; ones that will optimize their personal and academic success and enhance their time at UCF.

Additionally, this office serves as an umbrella for the Real Project Peer Advocacy Program.

HLP 2701, a three hour elective credit course, provides information on contemporary college health issues such as alcohol and other drugs, sexual assault, HIV/AIDS, sexually transmitted infections and diversity are discussed. Students explore ways to assist their peers with life skills development when dealing with these issues. Students then have an opportunity to utilize these skills and knowledge to present valuable information and act as a resource to other peers on campus.

AOD Policy Information: 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.

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. For more information regarding Alcohol/Drug Policy, visit http://www.goldenrule.sdes.ucf.edu/14_Drug_Free.html.

Assessment and Planning
Director: Ronald H. Atwell; MH 282; 407-823-2628
http://www.assess.sdes.ucf.edu

This office provides the Vice President and units of Student Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.
Campus Faiths and Ministries
Director: Brad Crawford; SU 305; 407-823-5336
http://www.cfm.sdes.ucf.edu/

The Campus Faiths and Ministries program is a combined effort of a wide variety of religious faiths and denominations providing students with professional personnel who will encourage spiritual, moral, and social opportunities in a spiritual context within the University community. In addition to mission and service opportunities, Campus Faiths and Ministries offers counseling, scripture study, public lecture and discussion programs, fellowship, recreation, and worship services.

Career Services
Director: Lynn Hansen; FC 185; 407-823-2361
http://www.career.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
- Interview Preparation
- 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
Director: Stacey Pearson; COUN; 407-823-2811
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 of psychologists, ministers, 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. Services offered by the Center include:

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention
- Couples Counseling
- Professional Consultation
- Outreach and Presentations
- Consultation to Faculty and Staff

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

Creative School for Children
Director: Marcia Diebler; CSC; 407-823-2726
http://www.csc.sdes.ucf.edu

The Creative School for Children is the Educational Research Center for Child Development and 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 daily program is designed by professional early childhood educators, and the curriculum is designed to build upon children’s innate curiosity and desire to learn. The program includes a wide variety of activities designed to foster physical, cognitive, emotional, and social development.

First Year Advising and Exploration (FYAE)
Director: Gloria Laureano; PH 116; 407-823-3789
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-year 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 Academic 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 location located in the Pegasus Landing affiliated housing area. 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.

Academic Exploration Program (AEP)
PH 116; 407-823-3789
http://aep.sdes.ucf.edu

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP 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
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.orientation.sdes.ucf.edu

The First Year Experience Office (combining orientation with extended first year transition programs including Pegasus Palooza, LINK and the Strategies for Success course) 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.orientation.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.

LINK First Year Experience Program
Coordinator, First Year Experience: TBA; 407-823-5105
http://www.link.ucf.edu

Learning and Interacting with New Knights (LINK), a First Year Experience program, is designed to assist first-time-in-college students with their transition to the University of Central Florida (UCF) by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. The main goals of the LINK Program are to get freshmen out having fun, meeting people, and getting connected to UCF. Through LINK, new Knights will be exposed to programs and events that will enhance their first year experience and overall success and satisfaction at UCF.

The LINK Program works with various UCF departments and programs to identify educational programs that support opportunities for new Knights to transition to and become better connected to UCF during their first year on campus. These co-curricular programs complement the in-class academic experience and help first-year students develop the skills necessary to be successful in college. The LINK Program packages these educational programs under the LINK name and promotes them to first-year students to encourage their active participation.
As an incentive to encourage first-year students to participate in programs, freshmen receive points for each LINK program in which they participate. These points are known as “LINK Loot.” Students receive LINK Looii points at the beginning or end of each LINK program. First-year students can use their LINK Loot points to bid on prizes at the LINK Auction, held at the end of each semester. These points do not roll over between semesters in order to give students a fresh opportunity to get involved at the beginning of each new semester. In the past, prizes have included a $1000 tuition scholarship, laptop computer, Nintendo Wii, television, iPods, theme park tickets and much more.

Last Fall semester, over 200 programs were LINK-connected, giving freshmen numerous opportunities to earn points and get connected to UCF. In the five years since its inception, LINK has awarded $11,700 in tuition scholarships and over $25,000 in other prizes. No need to sign up for LINK—as long as you are a first time in college student, you can start earning points NOW! But don’t wait: LINK is only for first-year students and ends in April of spring semester!

Fraternity and Sorority Life
Director: Belinda Boston; SU 154; 407-823-2072
(Greek Council Office, SU 154, 407-823-2072)
http://www.greeklife.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the 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, and brotherhood. It supports small group living more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council, 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 scholarical support system, networking opportunities, an organization for community service, hands-on experience in working a running entity, and a foundation for long-lasting friendships. 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 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 opportunities to meet people and become acquainted with involvement opportunities at the University of Central Florida.

Health Services
Director: J. Robert Wirag; HC 309; 407-823-2094
http://hs.ucf.edu

Every health fee paying student is entitled to the benefits provided through UCF Health Services (HS), which are outlined in printed material available at the Health Center or on its Web site at http://hs.ucf.edu.

The nationally accredited primary care program is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants, pharmacists, 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 main campus. And for the benefit of the 2,000 students living near The Arena, Knight Aide provides convenient access to satellite pharmacy, O.T.C. products and other consumer products. 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 or to specialists according to the patient’s preference. Most office consultations and programs are covered under LINK Looii. However, 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 HS Insurance office staff will assist students file claims with their medical insurance company. Currently, UCF HS physicians are network providers with BCBSFL, United HealthCare, and AssureMed. This entities faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services.

An optional health and accident insurance plan for students by Aetna Student Health Insurance (www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by calling the UCF HS Insurance Office (407-823-6426). 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 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.

In addition to access for clinical care services, the health fee entitles UCF students to use the Wellness Center located in the Recreation and Wellness facility. The Wellness Center recognizes the role of lifestyle in health and disease prevention by offering a wide range of health promotion services provided by professional health educators and peer health educators/advocates, including HIV confidential blood testing and oral HIV testing, biofeedback, nutrition and weight management, massage and physical fitness and lifestyle assessment. Opportunities for student development include: Student Health Advisory Committee, Student Wellness Advocates Team (SWAT), Graduate Assistantships, or becoming a Wellness Peer Educator or Health Advocate.

When the Health Center is closed, students may obtain information and help from Health Services telephone message at 407-823-2701, its Web site, FreeMD (the web-based interactive system to help students make decisions about health needs), 24 hour Nurse Line at 1-800-556-1555, or the Wellness Center at 407-823-5841. If the situation is urgent, students should call 911 or access one of the hospitals and walk-in clinics identified via http://hs.ucf.edu (charges for services are the student’s responsibility).

Wellness Center
Assistant Director: Peter Mastroianni; RWC 111; 407-823-5841
http://www.hs.sdes.ucf.edu/wellness/

The Wellness Center, a division of UCF Health Services, is located on the first floor of the Recreation and Wellness Center. The professional staff and certified peer educators encourage students to make low-risk and responsible decisions about college health and wellness issues through one-on-one and peer group interactive programs and campus awareness events.

Program topics include good nutrition on a student budget, relaxation strategies for busy students, weight management, body image and sexuality issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center. Free and low-cost services include the Comprehensive Health Assessment and Motivation Program (CHAMP), licensed massage therapy, biofeedback relaxation therapy, nutrition workshops and drop-in appointments with a registered dietitian/nutritionist, confidential and anonymous HIV testing, and body fat and blood pressure checks.

Many participants can earn “LINK Looii.”

Housing and Residence Life
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 all 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 no deadline for housing applications for all first-year students. 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-bedroom apartment style. 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.

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.

LEAD Scholars Program
Director: Gary Morgan; SU 207; 407-823-2223
http://www.lead.sdes.ucf.edu

The LEAD Scholars Program is an intense and comprehensive two-year student development program for competitively selected, academically talented first-year college students with expressed interest in leadership, academic excellence, and community service. LEAD Scholars join in a unique partnership with faculty, staff, alumni and community leaders as a way to make an immediate connection with academic and community life.

The primary goal of the LEAD Scholars Program is to prepare students to be effective leaders in personal, professional, and civic communities. This goal is achieved through three venues: academic excellence, leadership, and community service.

Students are integrated with faculty in two-credit hour leadership courses. These courses provide the primary means of facilitating the focus for study, advisement and educational activities as it relates to leadership, academic excellence and community service. First time in college students from any major are eligible to apply to the LEAD Scholars Program.

The LEAD Scholars Program enables a selected number of students to develop professionally through a special mentoring relationship involving research and/or project development in their area of interest both on campus and in the community. Students are provided opportunities to work on project teams and special programs to develop their leadership skills. Specially structured community service projects are provided for students to enhance their community service development.

Students are selected for this two year program, prior to their freshman year, through a competitive process based on academic record, extracurricular and community activities, school recommendation, expressed interest in leadership, academic excellence, and community service. The LEAD Scholars Program serves as a bridge for participation in leadership opportunities as upper division students and in future community leadership roles.

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 recruitment, admission, retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program; Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of activities 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 and Director: Jimmy Watson; HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

Off-Campus Student Services and Student Neighborhood Relations assists students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information.

OCSS-SNR also provides UCF students who live off-campus with information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, "on the spot" or through campus referrals, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

The student neighborhood relations program is designed to create a positive relationship between UCF Students living in surrounding neighborhoods and the permanent community residents.

Office of Student Involvement
Director: Kerry Welch; SU 208; 407-823-6471
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 almost 400 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Fraternity and Sorority Life, Homecoming, Knightcast, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

Recreation and Wellness Center
Director: James Wilkening; RWC; 407-823-2408
http://www.rec.ucf.edu

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

RWC is comprised of five different programs: 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.

RWC Indoor Facilities:
- Four indoor multipurpose courts
- 1/8 mile indoor track
- 12,000 sq. ft. weight floor
- 3,000 sq. ft. Cardio floor
- 41 ft. Climbing Tower
- Group exercise studio
- Spinning studio

RWC Outdoor Facilities:
- 230,000 gallon 6 lane outdoor pool
- 181,000 gallon leisure pool ranging from zero to five ft. deep
- Eight sand volleyball courts
- Three basketball courts
- Nine tennis courts

RWC Park:
- Three lighted artificial turf fields
- Disc golf course
- Nine acre multipurpose field
Division of Student Development And Enrollment Services

Challenge Course:
- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total

Lake Claire Recreation Area:
- Two reservable pavilions with grills
- Equipment available for checkout: kayaks, canoes, pedal boats, cornhole and ladderball
- Pier with beachfront
- Open grass area

Aquatics
The Aquatics program is for those participants who enjoy swimming, aqua aerobics, or simply relaxing in the pool.

Fitness
The Fitness program promotes health and wellness in many ways. Group Exercise classes including Yoga, Pilates, Spinning, traditional aerobic and resistance classes and assist participants in improving their cardio respiratory fitness while also building strength and endurance. Personal Training and Fitness Assessment services are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals. The Assisted Workout Program benefits those who need assistance and guidance with their workout. Graduates of the program are encouraged to team up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

Intramural Sports
The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, softball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels. A unique aspect of the UCF program is the team development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community.

Outdoor Adventure
The Outdoor Adventure program is the university's resource for adventure programming. Outdoor Adventure provides guided backpacking, sea kayaking, canoeing, and cycling trips that range from weekend trips around Florida and the southeast to week-long adventures in the mid-west and the east coast. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self/group awareness and inter-personal skills. The climbing wall, located in the RWC, allows participants to experience the thrill of rock climbing indoors. Lake Claire Recreation Area located just north of Greek Row is available for students to reserve for special events or enjoy the beachfront pier. Equipment is available with a valid UCF ID. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

Sport Clubs
The Sport Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport club is a Registered Student Organization (RSO) with the Office of Student Involvement (OSI). Sport Clubs exist to promote and develop interest in a particular sport activity. Interests may be competitive, recreational, instructional or any combination of the three. Participation in Sport Clubs is strictly voluntary. As RSO’s, clubs are developed by students for students under the supervision of the Recreation & Wellness Center. The Sport Club staff of the RWC believes that involvement in the Sport Club Program enhances development, leadership, and the overall college experience for students by supplementing skills learned in the educational realm.

Regional Campuses Student Services
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826, 407-823-4547.
Director, Student Services, Eastern Region: Diana Weidman
Director, Student Services, Southern Region: Terry Exum
Director, Student Services, Western Region & Central Region: Pamela Brady
The UCF Daytona (386-506-4024 or erss@mail.ucf.edu), UCF Cocoa (321-433-7950 or ssrs@mail.ucf.edu), and UCF South Lake, Ocala, Leesburg, West Orlando, South Orlando, Clermont (352-536-2219 or wrs@mail.ucf.edu) Student Services offices provide student services at the regional campuses, which include 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: Dennis J. Dulniak; MH 161; 407-823-3100; Registration HelpLine: 407-823-3533; E-mail: registrar@mail.ucf.edu http://www.registrar.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 supporting 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 processes 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 recategorizations, student veteran services, and Commencements.

Veteran Services
Assistant University Registrar: James Middlekauff; MH 161; 407-823-2707 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. The office also provides related counseling for personal and academic concerns and referral to various community agencies. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. The office monitors the academic progress of all those receiving VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process.

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits. A copy of the “Student Veteran Handbook” can be obtained on the GI Bill Web site. 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 not awarded for experience, military skills level and/or special certifications. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office. Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9-11 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 Web site for Summer term course load and other FAQs.

Students currently enrolled at UCF and another institution may receive VA educational benefits, but must first 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.
Division of Student Development And Enrollment Services

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. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents 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.

Rosen College of Hospitality Management Campus Life
Director: Tony Perry; 9907 Universal Blvd., Suite 204, Orlando, FL 32819; 407-903-8072
Student’s campus life needs are met on the new Rosen College of Management Hospitality campus through the Student Administrative Services Office. Staffing and services provided through this office include student club and organization, off-campus student housing, academic advising support, and The Golden Rule interpretation.

Sophomore and Second Year Center (SSYC)
Director: Robert Snow; PH 215; 407-823-3375
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 resources through technology, and assisting students with their progression towards graduation from UCF.

The center has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (first time in college students) entering UCF with 45 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: Jennifer Wright; PH 113; 407-823-5130
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, 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, molecular biology, 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, economics, 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, reading effectiveness, and memory improvement. 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, the College Achievement Program (CAP) and the Supporting Teacher Education Pre-professionals (STEP) Program.

A learning skills counselor 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 132; 407-823-2371
http://www.sds.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 TTY/TDDs to contact Student Disability Services (TTY/TDDs call only phone 407-823-2116).

Student Government
OSISGA Advisors: Director Kerry Welch & Assistant Director Christa Coffey; SU 214; 407-823-2191
http://www.sga.ucf.edu
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 lab, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Pegasus Knights, Multicultural Student Center, and Knightcast, and much more. More than $1,000,000 is allotted 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 on local, state and national government levels.

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and staff, 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 outlining how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.
Office of Student Rights and Responsibilities
Assistant Vice President 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 responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. The Office of Student Rights and Responsibilities 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.

Dispute Resolution Services
Coordinator: Patty Farris; 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. This service is available to the university community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) an advanced mediation techniques session. Mediation services are provided to UCF students, faculty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

Office of Student Conduct
Associate 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. This office is also responsible for advising students of their rights during the Student Conduct Review Process, 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 urged to take advantage of the many services and educational programs available through the Office of Student Conduct and the Office of Student Rights and Responsibilities.

Student Legal Services
Assistant Vice President and Director: Patricia A. MacKown; FC 142; 407-823-2538
http://www.stulegal.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant, consumer, simple wills, traffic, and criminal. Each eligible student (i.e., an undergraduate or graduate student currently enrolled in UCF) is entitled to consult free of charge with a Program Attorney about any legal matter not excluded by program guidelines. 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.

Student Union
Director: Suzanne Halpin; SU 312; 407-823-2117
http://www.studentunion.ucf.edu

The Student Union is the meeting place on campus and provides the campus community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew, Qdoba Mexican Grill, Burger King, Phat Philly, Asian Chao and Corner Cafe. Retail stores include Park Avenue CDs, Greek Unique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Center, Kaplan Test Services, ATMs from SunTrust, Bank of America, and the UCF Credit Union as well as a Postal Kiosk and a DVD and Video Game Rental machine. 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
http://www.testing.sdes.ucf.edu

The University Testing Center administers the state College Level Academic Skills Test (CLAST) and the Computer-Adapted CLAST (CAT-CLAST); placement examinations such as the College Placement Test (CPT); Foreign Language Proficiency Exam (FLPE); Florida Teachers Certification Examination (FTCE); Grammar Proficiency Exam (GPE); and Institutional Academic College Test (ACT). UTC also administers the following national and standardized exams:

- College Level Examination Program (CLEP)
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language, Internet-Based Test (TOEFL IBT)

Upward Bound Program
Director: Rebekah McCloud; PH 208; 407-823-5595
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 while preparing them in high school for college admission, retention, and graduation. This program is supplementary to the students regular high school curriculum, and will assist students to overcome barriers by providing tutoring, mentoring, academic workshops, academic counseling, academic instruction, assistance with standardized testing, life skills workshops, cultural events, college visits, assistance with the college admissions, and the financial aid process.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr., J.D.;
Progress Energy University Welcome Center; 407-823-3000;
E-mail: admission@mail.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 state university transient students to the Orlando, Daytona, South Lake and Cocoa campuses. 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 Web site 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 Web site 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 Web site.

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Undergraduate Admissions office at 407-823-3000 or visit us at our Web site. 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](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@mail.ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at [http://www.housing.ucf.edu](http://www.housing.ucf.edu). 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, racial, 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 Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 6 days after the first day of classes.

**Orientation**

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all students offered admission to the University or may be viewed on the Web site at [http://www.orientation.ucf.edu](http://www.orientation.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 (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. Limited Non-Degree Seeking

Upper Division Transfer students may also apply to one of many Regional Campus sites. Please refer to the application.

**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 high school diploma 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) 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. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

**Academic Subjects**

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

**Total Units** 18
Undergraduate Admissions

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

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

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test or ACT;
   - written letter of recommendation from high school counselor or school district permission form; and
   - written permission from parents or legal guardian.

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

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

Transfer Applicants
UCF welcomes transfer applications to the University. Students should apply online at http://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office 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 State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public university. 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 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.);
- A 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 requirement 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).
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access pro-
grams; and
7. Equal opportunity with native university students to enter limited
programs.

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

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

Undergraduate transfer applicants who desire to be admitted as upper
division students must have met, at least, all of the following require-
ments:
- A minimum of a 2.0 GPA and 60 credit hours of academic course
work;
- The English and Mathematics requirements of the Gordon Rule;
and
- A minimum of eight credit hours of college instruction in a single
foreign language. This requirement applies to those students
without the required two units of a single foreign language in high
school. Meeting these minimum requirements does not guarantee admis-
sion.

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
Undergraduate Admissions Office. Students should com-
plete the regular undergraduate admissions application.
- Students who have attended the University of Central Florida as
a degree-seeking undergraduate student should apply through the
Registrar’s Office. These students complete the “Readmission
Application” form.

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 accred-
ited 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.
This enrollment terminates at the end of one term and does not pre-
suppose 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.

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 semes-
ter or term cycle, or for special programs mandated by the State of
Florida. Successful completion of courses while in this classification
does not provide a basis for regular admission at a later date.

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

Students registering for classes in the Limited Non-Degree Seeking
status are subject to the following regulations:

1. Students are required to provide evidence of their educational
qualifications for attending classes in order to meet the intent of
this enrollment classification;
2. Students who have been previously denied admission or disquali-
fied for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and
regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate
credit hours may be earned as a limited non-degree seeking
student;
6. International students may not register as non-degree-seeking
since immigration regulations prevent foreign nationals from
enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial
aid nor to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status
Registration Form.

Students registering in this category should be aware of the limitations
of this status, and are encouraged to apply for regular admission to the
University.

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,” or apply online at
http://www.admissions.ucf.edu. Because of additional processing
time needed for non-immigrant students joining UCF on F-1 or J-1
Visas, those students should submit the application and all required
academic documentation by the international admissions deadlines.
These students must also complete and submit the required financial
and immigration documents by the deadline. The deadlines for Fall
semester are March 1; for Spring semester, September 1, and for
Summer term, January 1.

- 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

- 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 the evaluation report.

- If the student has attended any international universities, an
English translation and evaluation of work completed at each
institution will be necessary. Transcripts should be sent to one
of the agencies below for a course-by-course evaluation. Please
note that if 60 or more credit hours have been earned at a post-
secondary institution, it will not be necessary to submit the sec-
ondary school records.

- Results of the TOEFL (Test of English as a Foreign Language)
may be required of students whose first language is not English.
Information about this examination can be obtained from TOEFL,
P.O. Box 6151, Princeton, New Jersey, 08541-6151.

- 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), P.O. Box 592, Princeton, NJ, 08540 or from ACT,
P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific
minimum score requirements on these examinations for admis-
sion, 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 English translations and evaluations of academic credit from these agencies:

- Josef Silny and Associates
  7101 SW 102 Ave.
  Miami, FL 33173
  (305) 273-1616
- World Education Services
  P.O. Box 5087
  Bowling Green Station
  New York, NY 10274
  (211) 986-6311
- AACRAO's International Education Services
  One Dupont Circle, NW Suite 520
  Washington, DC 20036-1135
  (202) 296-3359

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

Each international student on a 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 can be obtained from UCF Health Services. 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 visas 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, 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 Web site at http://www.hs.sdes.ucf.edu/healthcenter/insurance.html to view the State of Florida requirements specified on the "Medical Insurance Compliance Verification Form."

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 admission, 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. 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 AACRAO's International Education Services, 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 reports will 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 Private and Out-of-State Institutions

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

Credits From Military Service School Courses

Completed military service school courses may be evaluated on the basis of the recommendations of the American Council on 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.

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. 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@mail.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 Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

Student Rights and Responsibilities

Students have the right to full information about the financial aid programs available at UCF, our application procedures and 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 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 who apply for aid and do not complete their financial aid file until after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the scholarship listing on the Web site 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 Web site 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.
Financial Aid Programs Available at UCF

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

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

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

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

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

Award Notification

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

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

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

It is the student’s responsibility to be aware of minimal hourly requirements for each program, which can be found on the Program Eligibility Charts on the Web site. 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 Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments based on estimated Stafford loans will be canceled prior to the beginning of the semester if the student has not completed the loan application process. 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.

Disbursements
Financial aid disbursements begin the second week of each term. Students should be aware of this, so 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 for Books or The Textbook Purchase Program is available for students to help with these expenses. The 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. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disbursements, the funds first apply towards university debts. The remaining balance is refunded to the student one of two ways. If a student has set up Direct Deposit on myUCF, then the refund is deposited into the student's bank account. Otherwise, a check is mailed to the student's current mailing address listed on myUCF.

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 a student fails to pass both of these reviews, the student will be placed on Satisfactory Academic Progress cancelation status, effective the following academic year, beginning fall term. Students on probation must meet standards each term.
- 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 Degree Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshmen</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>Doctor</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>Satisfactory academic progress for continued enrollment, else loss of access to federal assistance programs</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:
- 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.

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 SAR or by calling the federal 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 doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. service academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.
Student Financial Assistance

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. 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. Advisor Certification Form with all required signatures;
2. A copy of the Fee Invoice and class schedule confirming that the classes and hours enrolled match the Transient Student Form; and,
3. A completed Consortium Agreement Form to be completed by the transient school financial aid office.

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, 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. 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.
STUDENT TUITION AND FEES

Student Accounts Office
Associate Controller: Dan Mayo,
MH 107, 407-823-2433
http://www.fa.ucf.edu/Cashier/Cashier. cfm

General Information
The Office of Student Accounts 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 Office is responsible for:
- Tuition and Fee Assessment/Refunds
- (Student Accounts, MH 107)
- Processing Payments (Cashier's Office)
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees*
http://www.iroffice.ucf.edu/character/current_tuition.html

*Tuition and fees had not been established at the time of this publication. Rates for the 2009-2010 academic year will be available in early July 2009. 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 registered 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 could result in the cancellation of all classes.

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 or withdraw from courses so as to avoid additional financial obligations.

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement: "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 due date, I may 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 consequences."

Payment Procedures
Payment must be received no later than the fee payment deadline or postmarked one day prior to the fee payment deadline to be considered on time.
Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time.
Payments cannot be transacted by telephone.

Acceptable forms of payment:
Cash (Main Cashier's Office)
Checks
Credit cards
E-Pay — https://my.ucf.edu — E-Check or credit card — nonrefundable $10 convenience fee per transaction. Payments made at anytime

<table>
<thead>
<tr>
<th>2008-2009 Repeat Course Schedule*</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Resident</td>
<td>Non-Florida Resident</td>
<td></td>
</tr>
<tr>
<td>Fees Per Credit Hour</td>
<td>Undergraduate (0000-4999)</td>
<td>Graduate (5000-7999)</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Tuition</td>
<td>$82.03</td>
<td>$237.56</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.10</td>
<td>$11.87</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.09</td>
<td>$10.09</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.10</td>
<td>$12.10</td>
</tr>
<tr>
<td>Health Fee (per hour)</td>
<td>$8.59</td>
<td>$8.59</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
<td>$7.59</td>
<td>$7.59</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$129.26</td>
<td>$292.56</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2008-2009 Fee Schedule*</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Fees Per Credit Hour</td>
</tr>
<tr>
<td>---</td>
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<tr>
<td>Tuition</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
</tr>
<tr>
<td>Building Fee</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
</tr>
<tr>
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<tr>
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<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>Total Per Hour Fees</td>
</tr>
</tbody>
</table>

Other Fees: Resident and non-resident*

| Distance Learning Course Fee (per hour) | $18.00 |
| UCF Campus Card Fee (per academic year) | $10.00 |
| Campus (ID) Card Replacement Fee | $15.00 |
| Equipment Fee (per term, for use of equipment) up to: | $90.00* |
| Equipment Fee (per term, for use of equipment) up to: | $90.00* |
| **These fees are subject to change by action of the Board of Trustees.** |
| TUITION | response |
| Differential Tuition Fee (per hour) | $13.57*** |
| Non-Resident Fee | $24.57 |
| Total Per Hour Fees | $305.10 | $0.00 | $371.08 | $0.00 |

2008-2009 Repeat Course Schedule*

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<tr>
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</tr>
<tr>
<td>Health Fee (per hour)</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
</tr>
</tbody>
</table>

Note: 2009-2010 tuition and fees were not available at the time of this publication. Rates for the 2009-2010 academic year will be available in early July 2009.
Student Tuition and Fees

on the date of the published fee payment deadline will be considered on time.

Mail – Please do not send cash — Include the student’s name and PID on checks or money orders.

Address payments to: University of Central Florida
Cashiers Office
P.O. Box 160115
Orlando, FL 32816-0115

Payment Locations (refer to http://fa.ucf.edu for office hours):
- Cashier’s Office - Main Campus - MH 110 - 407-823-2614
- Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
- Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
- Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188
- 24-Hour Depository - Milcan Hall at Reflection Pond Entrance (no cash)
- Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

Credit card payments may be made online, through myUCF E-Pay (https://my.ucf.edu), or at any of the Cashiers’ Offices. A mandatory, nonrefundable $10 convenience fee will be charged each time a student chooses to pay tuition or other state mandated fees through E-Pay.

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 not 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 procedures. All fees not deferred by financial aid are due by the fee payment deadline.

Florida Prepaid College Plan
For each term an enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered 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 Office (MH 107) by submitting a request not to bill FFP on or before the first day of the Drop/ Swap and Add period.

The tuition plan will pay $90.89 per credit hour (graduate or undergraduate level) for the 2008-2009 academic year. The plan does not cover the local fees of $38.37 per credit hour, material/supply fees, equipment fees, Distance learning course fee or the UFID ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $121.67 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our Web site http://www.fa.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

Note: the 2009-2010 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 teaching labs, thesis hours, dissertation, internships, practicum 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 Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term.

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 the 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, 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 Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term.

Tuition and Fees for Senior Citizens

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

Refund of Fees

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

Full Refund Eligibility

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

Partial Refund (25%)

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

Exceptional Circumstances

Refunds for exceptional circumstances are available upon an administrative withdrawal from one or more courses. Up to 100% of tuition
and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, involuntary call to military service, or University administrative error. If approved, a Late Withdrawal does not result in a refund of tuition and fees.

**Direct Deposit**
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be direct deposited to any bank of their choice. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign into my.ucf.edu and click on Student Self Service. Go to the Student Accounts link, then click on Direct Deposit and follow the instructions.

**Past Due Accounts**
All financial obligations to the University must be met. Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by the debtor. Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment. Payment guidelines for off-campus registration are contained on the off-campus registration form.

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

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

**Fee Appeals**
Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts (MH 107) and may appear before the Committee (not mandatory). Forms faxed to Student Accounts should be addressed: 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.

**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 that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered as conclusive 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;
   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 employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of former domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida for 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,
   Or
   Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida.
Student Tuition and Fees

Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

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

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.

Or

Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,
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, IB 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 KSP and EXCEL 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) or 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 45 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 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 at the beginning of the sophomore year.

The Burnett Honors College

New students will:

Attend the UCF Orientation designated for The Burnett Honors College. At this time students will meet with Honors staff and will learn about The Burnett Honors College courses and GPA requirements, and will 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 107) 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 Colborn 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 Web site 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.

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.

College of Business Administration

The College of Business Administration 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 Degree Audit and catalog to better understand degree requirements and learn how to read a Degree Audit;

3. Meet with your advisor in the Office of Undergraduate Student Support (USU; BA2 101) during their first enrolled term to petition 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 your major is Business Pending.

Continuing students will:

1. Meet with a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
2. Pick up your Degree Audit from myUCF. Check myUCF or the TV monitors for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if you are in your major. All changes to your schedule must be completed by the end of the Add period;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with your advisor in USS during the semester/ term prior to your graduation term. File your “Intent to Graduate Form” by the end of the term prior to the term in which you plan to graduate.

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 Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. 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 Office of Student Affairs, if 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 representatives 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 246;
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 four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process.
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 group settings 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 the COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

Continuing students will:
1. See the COHPA Undergraduate Student Services (HPA2, 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” with an advisor in the COHPA Undergraduate Student Services by the end of the term prior to the term in which graduation will occur.

College of Medicine

Burnett School of Biomedical Sciences

New students will:
Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur;
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 Select Medical Careers) the first Spring semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.

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

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

*Molecular Biology and Microbiology 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 (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/.

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 their faculty advisor during the first few weeks of each semester to check progress and to select a program 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.

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 in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;
3. Meet with an advisor in the department of their 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 select 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 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.

Regional Campus System
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.
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 Web site 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
  - Web site 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 Community College, and Valencia Community College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

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. at 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 CLAST, 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 CLAST?

Students may be admitted without completing the College Level Academic Skills Test. However, without the CLAST 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).

If you have not met the CLAST requirement, you must take the exam in your first term of enrollment; you must satisfy all four parts of the CLAST by the time you have completed 36 hours of upper-division course work. UCF accepts the CLAST 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 CLAST will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAST, 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.

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

<table>
<thead>
<tr>
<th>Transfer Checklist</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Before Completing the A.A. or Articulated A.S.</strong></td>
</tr>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
</tr>
</tbody>
</table>

| **Application for Admission** |
| ___/___/___ date submitted |
| Y___ N___ checked admission status at https://my.ucf.edu |
| ___/___/___ date of acceptance |

| **Transcripts** (original transcript from all institutions attended) |
| Y___ N___ transcripts sent from all current and prior institutions |
| Y___ N___ date final transcript sent after term completed |

| **Financial Aid/Scholarship** |
| ___/___/___ date financial aid application (FAFSA) sent |
| ___/___/___ date SCHOLARSHIP application sent |
| Y___ N___ “to do” list checked on myUCF |

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

| **Immunization** |
| ___/___/___ date Student Health Form submitted |
| Y___ N___ need immunizations |

| **Foreign Language Requirements (Admission)** |
| Y___ N___ 2 years/units earned in high school |
| Y___ N___ 8-10 credits earned at the college level |
| Y___ N___ credits to be taken at the university |

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

| **Program (Major) Requirements** |
| Y___ N___ selected a major |
| Y___ N___ completed major prerequisites |
| Y___ N___ submitted limited access application |
| Y___ N___ met grade point average (GPA) requirements |
| Y___ N___ met cumulative GPA for admission to program of study |
| Y___ N___ met cumulative GPA in courses taken for program of study |
| Y___ N___ met grade requirements for designated courses |
| Y___ N___ met audition/portfolio/additional admission requirements |
| Y___ N___ completed CLAST exam or alternatives |

| **Orientation:** |
| ___/___/___ Orientation date at UCF |
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 Web site 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. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advisement 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 CLAST if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAST, 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 CLAST, 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.
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 36 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 CLAST requirement;
■ Earn a minimum of nine credit hours during Summer terms, if applicable; and,
■ Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or Spring, Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion. Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a “Catalog Year Change Request Form” to the Registrar’s Office (MH 161). This form is available at the Registrar’s Office or online at http://www.registrar.ucf.edu.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with 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 analyze the situational characteristics of a communication act: audience, purpose, and source/author.
■ 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. 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 society, economics, and political institutions.
■ Demonstrate understanding of the interaction among social, economic, and political structures and functions.
■ Understand how individuals behave and interact with other indi-
**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.)

**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)
4. SPC 1603 Fundamentals of Technical Presentation ............... 3(3,0)
5. COM 1000 Introduction to Communication .......................... 3(3,0)

**B. Cultural and Historical Foundation** ............................... 9 hours

1. EUH 2000 Western Civilization I ...................................... 3(3,0)
2. EUH 2001 Western Civilization II ..................................... 3(3,0)
3. HUM 2210 Humanistic Tradition I 2 .................................. 3(3,0)
4. HUM 2230 Humanistic Tradition II 2 ................................. 3(3,0)
5. AMH 2010 U.S. History: 1492-1877 2 ................................. 3(3,0)
6. AMH 2020 U.S. History: 1877-present 2 .............................. 3(3,0)
7. WOH 2012 World Civilization I 2 ..................................... 3(3,0)
8. WOH 2022 World Civilization II 2 ................................... 3(3,0)

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

**C. Mathematical Foundation** ........................................... 6 hours

1. MAC 1105 College Algebra 2 .......................................... 3(3,0)
2. MGF 1106 Finite Mathematics 2 ....................................... 3(3,0)
3. CGS 1060C Introduction to Computer Science 2 .................. 3(3,0)
4. STA 1060C Basic Statistics using Microsoft Excel 2 .............. 3(3,0)
5. STA 2014C Principles of Statistics 2 ................................. 3(3,0)

**D. Social Foundation** ..................................................... 6 hours

1. ECO 2013 Principles of Macroeconomics ............................ 3(3,0)
2. ECO 2023 Principles of Microeconomics ............................ 3(3,0)
3. POL 2041 American National Government .......................... 3(3,0)
4. PSY 2012 Introduction to Psychological Science ................. 3(3,0)
5. SYG 2000 Introduction to Sociology .................................. 3(3,0)
6. ANT 2000 General Anthropology ...................................... 3(3,0)

**E. Science Foundation** .................................................... 6 hours

1. AST 2002 Astronomy ...................................................... 3(3,0)
2. PHY 2055 College Physics I MAC 1105 and MAC 1114 ............ 4(3,3)
3. CHM 1020 Concepts in Chemistry PR: High School Algebra .... 3(3,0)
4. BSC 1055 Biological Principles ....................................... 3(3,0)
5. BSC 1050 Biology and Environment .................................. 3(3,0)
6. GLY 1030 Geology & Its Applications ............................... 3(3,0)
7. GEO 1020 Physical Geography ........................................ 3(3,0)
8. ANT 2511 The Human Species ........................................ 3(3,0)
9. MCB 1310 Intro to Biotechnology and Genetic Engineering .... 3(3,0)

1 A one credit laboratory is also available for this course.
2 1/2 grade of ‘C-’ (1.75) or better is required in this course.
3 A grade of ‘C-’ (1.75) or better satisfies three hours of the Gordon Rule requirement.

Effective Date: Summer 2008

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**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>MAC 1114; MAC 1140; MAC 2233; MAC 2253; MAC 2311; MAC 2312; MAC 2333</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
<td>MGF 1107</td>
</tr>
<tr>
<td>GEO 1200 (Geography)</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2100C; COP 2500C; COP 3502C; COP 3502C; COP 4100C; COP 5100C</td>
</tr>
<tr>
<td>ANT 2050</td>
<td>MUL 2020, MUL 2720</td>
</tr>
<tr>
<td>THE 2000</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000 (Cinema Survey)</td>
<td>FIL 2030, FIL 3036, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>MUL 2010, MUL 2019, MUL 3212, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

For all of the acceptable substitutions in this GEP requirement, a grade of ‘C-‘ (1.75) or better satisfies three hours of the Gordon Rule requirement.

**Diversity Requirement**

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first 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.

Effective Date: Summer 2008

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 General Education Oversight Committee, so students should consult their departmental advisor for the most current listing.

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**Undergraduate Degree Requirements**

University of Central Florida

2009-2010 Undergraduate Advising Guide

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Undergraduate Degree Requirements

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 3426  Sunbelt Florida
- AMH 3562  Women in American History II
- AML 3283  Contemporary American Women's Fiction
- AML 3615  Harlem, Haiti, and Havana
- ANT 3245  Native American Religions
- ASH 4304  Women China
- CCJ 4129  Cultural Diversity in Criminal Justice
- CCJ 4670  Women and Crime
- CJ 4174  Comparative Justice Systems
- COM 4014  Gender Issues in Communication
- COM 4461  International Communication
- CPO 3034  Politics of Developing Areas
- EDC 2085  Teaching Diverse Populations
- GEO 3471  World Political Geography
- JST 3401  History of the Jewish People I
- JST 3402  History of the Jewish People II
- LIN 4XXX  African-American Styles of Communication
- LIN 4643  Cross Cultural Communication
- LIT 3192  Caribbean Literature
- MUL 2720  Music of the World
- NUR 3805  Transitional Concepts in Nursing I
- PAD 4446  Multiculturalism in Public Administration
- PLA 4020  Law and Society
- PLA 4830  Legal Research
- PLA 4915  Employment Discrimination
- POS 3627  Cultural Pluralism and Law
- PUP 3325  Women and Politics
- PUP 4522  Women's Studies
- PUP 4914  Women's Studies
- PUP 4920  Women's Studies
- PUP 5404  Women's Studies
- SOW 3620  Social Work with Minorities
- SWP 4772  Black Presence in Contemporary Latin America
- SYD 3800  Sex Roles in Modern Society
- SYG 2000  General Sociology
- WST 3015  Introduction to Women's Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams
In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)
Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement.

Placement in Language Course
- Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Several departments, colleges, and schools have additional requirements. See “Special College and/or Departmental Requirements” within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

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

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (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:
1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English coursework and six hours of additional coursework with significant college level writing

GEP Courses Which Satisfy:
(1) College algebra or finite math
(2) Statistics or computer science
(3) Six hours of English Composition and six hours of additional coursework with significant college level writing

General Education courses that apply to the Gordon Rule Writing Requirement:
- ENC 1101  Composition I
- ENC 1102  Composition II
- LIT 2110  World Literature I
- LIT 2120  World Literature II
- AMH 2010  U.S. History: 1492-1877
- AMH 2020  U.S. History: 1877-Present
- EUH 2000  Western Civilization I
- EUH 2001  Western Civilization I
- HUM 2210  Humanistic Tradition I
- HUM 2230  Humanistic Tradition II
- WOH 2012  World Civilization I
- WOH 2022  World Civilization II
- BSC 1010C  Biology I
Undergraduate Degree Requirements

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:
All Courses with an AML, ENC, ENG, ENL, and LIT prefix

AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4140 Jeffersonian America
AMH 4160 Jacksonian America
AMH 4170 Civil War and Reconstruction
AMH 4201 The Gilded Age and Progressivism
AMH 4231 United States History: 1914-1939
AMH 4270 United States History: 1939-1960
AMH 4311 American Culture I
AMH 4313 Advanced Culture I
AMH 4510 Rise of the United States to World Power, 1776-1914
AML 3031 American Literature I
AML 3041 American Literature II
ANT 3163 Mesoamerican Archaeology
ARH 4450 20th Century Art
ARH 4800 Theory and Criticism of the Visual Arts
ASH 4404 China in 19th and 20th Centuries
ASH 4442 Modern Japan, 19th and 20th Centuries
BUL 3130 Legal and Ethical Environment of Business
DAN 3134 Dance History I
DAN 3134 Dance History II
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EML 4501C Engineering Design I
EUN 3122 Medieval Society and Civilization
EUA 3142 Renaissance and Reformation
EUA 3235 Romanticism and Realism
EUA 3242 Modern Europe and the First World War
EUA 3281 Second World War and Rebirth of Europe
EUA 3411 Ancient Rome
EUA 3451 History of Modern France
EUA 3651 War and Society
EUA 4284 Fascism and the Totalitarian Dictatorships
EUA 4465 Hitler's Third Reich
EUA 4500 English History to 1485
EUA 4501 English History: 1485-1815
EUA 4502 British History: 1815-Present
EUA 4571 History of Russia to 1801
EUA 4574 History of Russia: 1801-1917
EUA 4576 History of Russia in the 20th Century
EUA 4620 European Great Powers: 1815-1914
HIS 4150 History and Historians
HUM 3320 Contemporary Multicultural Studies
HUM 3394 Representations of Place and Space
HUM 3401 Asian Humanities
HUM 3431 Ancient Humanities
HUM 3460 Latin American Humanities
HUM 3553 Moses, Jesus and Muhammad
JOU 2100C News Reporting
JOU 3101 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4300 Feature Writing
JOU 4306C Critical Writing
JOU 4308 Freelance Writing
LAH 3130 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
NUR 3165 Nursing Research
NUR 3805 Transitional Concepts in Nursing I
PAD 4034 The Administration of Public Policy
PHI 3030 Ancient Philosophy
PHI 3040 Medieval Philosophy
PHI 3460 Modern Western Philosophy
PHI 3600 Contemporary Philosophy
PHI 3700 American Philosophy
PHI 3803 Research Methods in Philosophy
PHI 3820 Philosophy of Mind
PHI 3832 Minds and Machines; Philosophy of Cognitive Science
PHI 3841 Philosophy of Psychology
PHI 3850 Ethics
PHI 3860 Contemporary Aesthetics
PHI 3910 Philosophy Practicum
PHI 4221 Philosophy of Language
PHI 4231 Philosophies of Embodiment: Mind/Matter/Self
PHI 4314 Ways of Knowing
PHI 4803 Critical Theory
PHI 4931 Philosophy in the News
PHM 3401 Philosophy of Law
PHP 3781 African-American Philosophy
PHP 4782 Phenomenology
PLA 3155 Legal Writing
PLA 4935 Capstone: Legal Issues
REL 3131 Religion in America
REL 3432 Roots of Western Mysticism
RTV 4403 Electronic Media, Technology, and Society
SOW 4222 Social Welfare Policies and Issues
SOW 4230 Micro-Level Roles and Interventions in Social Work
SOW 4260 Social Policy
SOW 4341 Micro-Level Roles and Interventions in Social Work
THE 2304 Script Analysis
TPA 4940 Technical Theatre/Design Internship
TPF 3310C Directing for Theatre I
TPF 4940L Theatre Internship

College Level Academic Skills Test (CLAST)
The College Level Academic Skills Test (CLAST) is designed to ensure that students have achieved communication and computation skills commensurate with successful completion of the lower-division coursework. All students seeking an Associate of Arts or baccalaureate degree from a state of Florida institution are required to pass the College Level Academic Skills Test (CLAST) or an approved alternative to meet the CLAST requirement. There are several methods by which students may meet this requirement. Students who have completed 18 or more credit hours are eligible to take the CLAST. Students must complete the CLAST requirement prior to the end of their sophomore year in college. An appeal to complete enrollment may be submitted to the CLAST Petition Committee (PH 106). CLAST is given 3 times per year (February, June, and October) as established by the Commissioner of Education. Additionally, students may retake the English Language Skills, Reading, and/or Mathematics subtests of CLAST on computer at the University Testing Center (PH 106). A fee will be charged for the computer-adapted CLAST (CAT-CLAST). Information regarding preparation for the CLAST may be obtained from the Student Academic Resource Center (PH 115) at 407-823-5130. Academic advising offices can answer questions students may have regarding the CLAST. There are several methods by which students may meet this requirement, but applicants for teacher certification must check with the College of Education to determine if they are eligible for alternatives. Additional information regarding the CLAST requirement may be obtained from the University Testing Center (PH 106) or online at http://www.testing.sdes.ucf.edu.

Students with 60 or more credit hours who have not taken the CLAST may be restricted from future registration. Students who have not passed all four subtests of the CLAST may enroll in 36 credit hours of upper division credit. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

Transfer Students with more than 60 credit hours who have not taken the CLAST may be restricted from future registration. Students who have not passed all four subtests of the CLAST may enroll in 36 credit hours of upper division credit. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

CLAST Alternatives
Beginning January 1, 1996, the following alternatives have been approved to meet statewide requirements of the Florida CLAST. Students who plan to major in a teacher education program must check with the College of Education to determine if they are eligible for alternatives. Additional information regarding alternative criteria for meeting the CLAST requirement may be obtained from the University Testing Center (PH 106) or online at http://www.testing.sdes.ucf.edu.
Undergraduate Degree Requirements

A student who earns a cumulative grade point average of 2.5 or above, on a 4.0 scale, in postsecondary-level in English and Mathematics coursework identified by the Postsecondary Education Planning Commission shall be exempt from the requirement for passing the CLAST subtest in question.

SAT Scores: A student who earns a quantitative score of 500 or above is exempt from the Math section of CLAST; any student who earns a verbal score of 500 or above is exempt from the English Language Skills, Reading, and Essay sections of CLAST.

ACT Scores: A student who earns a score of 21 or above on the Math section is exempt from the Math section of CLAST; any student who earns a score of 22 or above on the Reading section is exempt from the Reading section of CLAST; any student who earns a score of 21 or above on the English section is exempt from the English Language Skills and Essay sections of CLAST.

CLAST Waiver Petitions for Students with Disabilities

Students with disabilities may request reasonable accommodations while taking the CLAST. Those who are unable to pass a subtest of the CLAST due to disability can request that a subtest be waived. The student must be registered with the Student Disability Services Office. The CLAST Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. For CLAST Waiver petition information and forms, visit http://www.clastwaiver.sdes.ucf.edu/.

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. Courses taken at the University during the summer for which the student receives a “W” or “F” may be counted toward this requirement. 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).

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. Passing scores on three of the four parts of the CLAST; 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 Program 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 required hours 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.

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. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed 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.

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: leam@nervm.nerdc.ufl.edu. Web site: http://www.doces.ufl.edu.
Regulation 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 mid-term for the Fall semester, Summer and Fall Registrations begin following the mid-term of the Spring semester. Class listings are available online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available to 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 value of each course is stated in terms of credit hours. A semester hour of credit or credit hour represents one class hour of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

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

Credit Hour Limits

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

Excess Hours

All students should make every effort to enroll in and complete only those courses that are required for their major. Selected courses, minors, and other required courses (e.g., for a specific major), and additional majors or degrees may require students to take excess hours. Excess hours may require students to pay an additional surcharge/fees or negatively impact eligibility for certain financial aid programs. Students should regularly review their Degree Audits and consult with an academic advisor to make sure they are not enrolling in excess courses.

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 prior to 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 and Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Add period, no course may be added or dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap and 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 contact the Registrar’s Office for registration information at 407-823-5555. Students should visit the Registrar’s Office Web site at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the “Transient Student Form” online, which is available on the FACTS Web site at http://www.facts.org under “College Students” > “Transferring”.

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 an 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 Web site (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

Senior Citizen Audit

Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the “Residency Affidavit,” the “Student Health History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form.” Once these forms are completed, they must be sent to 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 eligibility 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 basis only 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.

State Tuition Exemption Program (STEP) (National Guard) Registration

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. Students must present a “Certification” letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. for waiver eligibility will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the “SUS Transient Application Form” which is available online at http://www.facts.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be completed online or delivered/mailed to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. Students should visit the Registrar’s Office Web site at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the “Transient Student Form” online, which is available on the FACTS Web site at http://www.facts.org under “College Students” > “Transferring.”
Academic Regulations and Procedures

Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior permission of the department, school, and college is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution
A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications
Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at http://www.degreeserverify.org. A fee will be charged for such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verification online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy
Withdrawal for each term begins after the Late Registration and Drop/Swap period ends. Students may withdraw from a class and receive the notation of "W" until the date noted in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5562. 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.

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 deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to withdraw are encouraged to consult Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). At the time of the request, Academic Services will ascertain from the instructor whether the student was passing or failing the course. If the student was passing and the late withdrawal is granted, a “WM” will be recorded for each course. If failing, and a late withdrawal is granted, a “W” will be entered. Medical and late withdrawals are only for all courses taken in the term.

Students who seek late withdrawal because they are ill must apply for the withdrawal within six months of the end of the term from which the withdrawal is sought. Students seeking a late withdrawal because of medical condition must be accompanied by the student’s physician or equivalent. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who seek a late withdrawal may be placed on hold 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. The student will be responsible to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

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, involvement with the military services at administrative request. The errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of 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.

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 on the basis of the outcome of that appeal. 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 semester equivalent per quarter hour as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points Per 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>B+</td>
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<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC - No Credit</td>
<td>x *</td>
</tr>
</tbody>
</table>

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 2254, MAC 2261, MAC 2266, MAC 2293, STA 111H, MAC 2311, MAC 2311H, and STA 2140. In these classes NC replaces the use of D+, D and D-.
A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports
Grades are available from myUCF at https://my.ucf.edu or from the UCF kiosks where a hard copy of grades per term may be printed via the “Print” browser function.

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-6896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student’s satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student’s college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action.

Student Conduct
Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule. A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify all of the other instructors at the beginning of the term to be excused from classes to observe the religious holy day.
Academic Regulations and Procedures

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with the Student Grievance Procedure, as listed in The Golden Rule.

Student Classifications

Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:

- **Freshman:** 0-29 credit hours
- **Sophomore:** 30-59 credit hours
- **Junior:** 60-89 credit hours
- **Senior:** 90 or more credit hours, prior to completion of baccalaureate requirements

Post-Baccalaureate:

Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:

Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:

- **Auditor:** A student registered for any credit course who is not seeking credit.
- **Co-op Student:** A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.
- **Special Student:** A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).
- **Temporary:** A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.
- **Transient:** Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.
- **Limited Non-Degree Seeking:** A student earning credit, but not working on a degree program.
- **Provisional:** A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate, with the approval of UCF. A UCF student may not be enrolled as a Provisional student during the duration of the term in which the associate degree is to be awarded.

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 in two consecutive part-time terms. The student must complete at least 12 credits, 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.

**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 the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years.

**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 Cum Laude for those students in the upper 10 percent; but not in the upper 2.5 percent Magna Cum Laude for those students in the upper 5 percent.

Records for the term of graduation are incomplete at the time the Commencement Program is printed. Identification of these students at graduation therefore is presumptive of honors and not conclusive, since final term grades may result in changes in relative rankings.

Consult the Academic Honors list at [http://www Registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/) for the most up-to-date UCF Honors minimum GPA requirements.

Diplomas are mailed six to ten weeks after Commencement at the address indicated in the online “Intent to Graduate.”

**Honors in the Major**

Please see “Honors in the Major” in 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](https://my.ucf.edu). 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://registrar.ucf.edu/calendar/academic/](http://registrar.ucf.edu/calendar/academic/). The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
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 graduate statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;

9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;

10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,

11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade-Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college credit course more than twice shall pay matriculation at 100% of the full cost of instruction (Non-Florida Resident rates).

Academic Standing
All academic actions are shown on myUCF at https://my.ucf.edu and on the transcript. The action is generated due to course completion. Changing a course grade does not necessarily change academic action. An exception may be made when an error is committed and is so stated by the instructor on the “Change of Grade Request Form.”

Good Standing
Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

Academic Probation
Action taken when a student’s UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better.

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed 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 15 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 GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to appeal for readmission in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.

Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:

1) the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2) the student has been academically suspended from UCF;
3) the student failed to enroll or withdrew from all classes during the readmitted term; or,
4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

The application deadline for readmission is as follows: for Summer, April 1; for Fall, July 1; and for Spring, November 1.

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the “Readmission Application Form,” available at the Registrar’s Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as a Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar’s Office establishing his or her eligibility for Florida residency for tuition purposes. For eligibility requirements, refer to ‘Florida Residency for Tuition Purposes’ within “Financial Information” of the Undergraduate Catalog.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on “Academic Probation.”

All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in “Good Standing” (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 15 Grade Points
A student who has been academically Disqualified by UCF (with a grade point deficiency less than 15 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.
Academic Regulations and Procedures

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 major’s department/school/college to establish a plan to complete the program of study. The student must obtain the department/school/college’s favorable recommendation of this plan in writing. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and

3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

The Registrar’s Office will review the readmission application only when it receives all of the documents listed above. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension

A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 15 or more Grade Points)

Students who are disqualified (with a grade point deficiency of 15 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change.

Dropping or Withdrawing During Readmitted Term

Disqualified or excluded students who drop or withdraw from all courses during the readmitted term for whatever reason must apply for readmission.

Limitations on the Number of Readmission Appeals

Disqualified students are limited to one appeal for an exception to University policy to the Admissions and Standards Committee during the disqualification period and one appeal per 12-month period following the disqualification period.

Excluded students are not eligible to appeal for an exception to University policy to the Admissions and Standards Committee.

Non-Academic Admission Clearances

According to the Florida Board of Regents Rule 6C-6.001(2) “…if determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so.” This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant’s written request, the University shall provide the reasons for the rejection in writing.”

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; 3) students requesting to continue in school, but who have failed to meet CLAST requirements; and 4) student appeals of University academic 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 readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal;
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of applicant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;

c. Any supporting documentation as directed by the college, school or other University personnel;

d. Any additional supporting documentation (optional); and,

e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

Exempting 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 documentation, 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 undergraduate students who are not eligible for readmission for academic reasons the opportunity to re-apply to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college administrator. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Admissions 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 Retention and Eligibility 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-Athlete, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievements and the approval of the AERC. The committee shall review each applicant's academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

**Name Changes**

To change the legal name maintained on the student’s official UCF record, the student must submit a completed “Change of Name” form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

**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 407-648-5022. Written requests must be signed and the student identification number provided.

**Transcript Requests**

Requests for official transcripts are made through the Registrar’s Office (in person, by mail, by fax or online at myUCF). “Transcript Request Forms” are available on the Registrar’s Office Web site 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 the 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 cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to http://www.registrar.ucf.edu/forms/transcript_request/ or call 407-823-3100. 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 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.

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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.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may request 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 the Registrar’s Office Web site 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. Effective Summer 2005 students may receive an undergraduate Certificate by completing all requirements for an undergraduate Certificate program. Students must be admitted in a degree-seeking program to be eligible to receive an undergraduate Certificate. Certificate programs may not be taken independently of a degree program. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates may be attained at any time during the student’s undergraduate career. Some certificates may restrict awarding the certificate to time of degree completion. The undergraduate Certificate is awarded upon completion of the certificate requirements as determined by college for each specific certificate. The Undergraduate Certification form is available at the college advising offices.

Student Records

Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper format 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 if the student believes that the record is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and the student’s 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. In accordance with Florida Statutes Section 228.093, the University is required to release student directory information to independent vendors 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
All other student information will be released in accordance with FERPA; in most cases this requires the student’s prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including “directory information.” 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.ucf.edu, requesting that this information be withheld. The Golden Rule outlines the University procedure for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office Web site 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/heea/.

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 Accelerated 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 School Service 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 bachelors 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) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>BSC 2010C</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
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<td></td>
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<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>CHM 2045 &amp; 2045L</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
<td></td>
<td></td>
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<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>CHI 2200 &amp; 2201</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
<td>CGS 1076</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
<td></td>
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</tr>
<tr>
<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>ECO 2013</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
<td></td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>ECO 2023</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 2001</td>
<td>ENC 2001</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>English Literature and Composition</td>
<td>ENC 2001</td>
<td>ENC 2001</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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</tr>
<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
<td>ISC 1051</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<tr>
<td>European History</td>
<td>EHU 1009</td>
<td>EHU 2000 &amp; 2001</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
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<tr>
<td>French Language</td>
<td>FRE 2200</td>
<td>FRE 2200 &amp; 2201</td>
<td>Same as 4</td>
<td>SCI Found 2</td>
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<td></td>
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<tr>
<td>German Language</td>
<td>GER 2200</td>
<td>GER 2200 &amp; 2201</td>
<td>Same as 4</td>
<td>SCI Found 2</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>CPO 1002</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>POS 2041</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200 &amp; 2201</td>
<td>Same as 4</td>
<td>CUL &amp; HIST Found 2</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>JPN 2200 &amp; 2201</td>
<td>Same as 4</td>
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<tr>
<td>Latin: Vergil</td>
<td>LNW 3700</td>
<td>LNW 3700</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
<td></td>
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<tr>
<td>Music Theory</td>
<td>MUT 1001</td>
<td>MUT 1001</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
<td></td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>PHY 2054C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology</td>
<td>PST 2012</td>
<td>PST 2012</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
<td></td>
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</tr>
<tr>
<td>Spanish Language</td>
<td>SPH 2230</td>
<td>SPH 2230</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
<td></td>
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<tr>
<td>Spanish Literature</td>
<td>SPH 3000</td>
<td>SPH 3000</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Statistics</td>
<td>STA 2032</td>
<td>STA 2032</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
<td>ART 2300C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2021C</td>
<td>ART 2021C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2203C</td>
<td>ART 2203C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>AMH 1000</td>
<td>Same as 3</td>
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<tr>
<td>World History</td>
<td>WOC 2222</td>
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</tbody>
</table>

*If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.*
International Baccalaureate Program (see table below)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 2020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>GCS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td></td>
<td>ETI 1410 and 1906</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
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<td>EVR 1017 and 1906</td>
<td></td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL and HIS Found 2</td>
<td>FIL 1001 and 1906</td>
<td>CUL and HIS Found 2</td>
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<tr>
<td>French</td>
<td>FRE 1121</td>
<td>MAT Found 1</td>
<td>FRE 1121C and 1200</td>
<td>MAT Found 1</td>
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<tr>
<td>Further Mathematics</td>
<td>MHP 1202</td>
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<td>MHP 1202 and 1209</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td></td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German</td>
<td>GER 1121</td>
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<td>GER 1121C and 2600</td>
<td>SCI Found 2</td>
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<tr>
<td>History</td>
<td>WOH 1030</td>
<td>CUL &amp; HIS Found 1</td>
<td>WOH 1030 and WOH 1999</td>
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<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1906 (3 credits)</td>
<td>ID 1906 (6 credits)</td>
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<tr>
<td>Islamic History</td>
<td>ASH 1906 (3 credits)</td>
<td>ASH 1906 (6 credits)</td>
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<tr>
<td>Latin</td>
<td>LAT 2230</td>
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<td>LAT 2230 and 1906</td>
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<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and 1140</td>
<td>MAT Found 1</td>
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<td>Math Studies</td>
<td>MAT 1033</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAC 1147 and 2233</td>
<td>MAT Found 1</td>
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<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 2010 and HUM 1906</td>
<td>CUL &amp; HIS Found 2</td>
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<td>Philosophy</td>
<td>PHI 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHI 2010 and 1906</td>
<td>CUL &amp; HIS Found 2</td>
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<td>Physics</td>
<td>PHY 1002C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
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<td>Psychology</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
<td>PSY 2012 and 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SOC Found 2</td>
<td>ANT 2410 and 1906</td>
<td>SOC Found 2</td>
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<td>Spanish</td>
<td>SPN 1211</td>
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<td>SPN 1121 and 2230</td>
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<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Scale Score of 50 for passing GEP Usage</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
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<tr>
<td>Business Law, Introduction to Calculus</td>
<td>BUL 1241</td>
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<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
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<tr>
<td>Educational Psychology, Introduction to English Composition with Essay</td>
<td>ENC 1101</td>
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<tr>
<td>English Literature</td>
<td>ENL 1000</td>
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<tr>
<td>French Language</td>
<td>FRE 1120C</td>
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<tr>
<td>German Language</td>
<td>GER 1120C</td>
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<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
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<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
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<tr>
<td>Humanities</td>
<td>HUM 2250</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
</tr>
<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
</tr>
<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
</tr>
<tr>
<td>Marketing, Principles of</td>
<td>MAR 2011</td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1106</td>
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<tr>
<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
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<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
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<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
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<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUR 2000</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUR 2001</td>
</tr>
</tbody>
</table>
Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language I or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)
No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)
No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

IB Latin
LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7.
for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

**CLEP Language Examinations**
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language 1 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 1 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.

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**DANTES SUBJECT STANDARDIZED TESTS (DSST)**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
</tr>
<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PH1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
</tr>
<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
</tr>
<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>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Intro to Computing</td>
<td>CSS 1060</td>
<td>MAT Found 2</td>
<td>45</td>
</tr>
<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>46</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<tr>
<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>46</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 1014</td>
<td>NAT Found 2</td>
<td>48</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
<td></td>
<td>46</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Technical Writing</td>
<td>ENC 2110</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td></td>
<td>47</td>
</tr>
</tbody>
</table>

**DANTES Subject Standardized Tests (DSST)**

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/q_and_s/gce_a/index.html.

**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.
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 the dynamics of the group. 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, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications to 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 407-822-2300.

Experiential Learning, Undergraduate Studies
Director: Sheri Dressler; Ferrell Commons, Suite 203; (407) 823-2667
http://www.explearning.ucf.edu

Experiential Learning provides instruction and instructional support for applied learning courses at UCF. Its mission is to 1) encourage all UCF students to include some form of experiential learning in their academic programs before graduation; 2) instruct cooperative education (co-op) and internship courses and support faculty in other academic departments to create and instruct internship and service-learning courses; 3) promote the measurement of student learning outcomes across disciplines for students in applied learning courses; 4) provide faculty training and quality assurance processes for the creation and instruction of high quality experiential learning courses; 5) create meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally; and 6) collaborate closely with other UCF departments, such as Career Services, Financial Aid, International Services Center and the Faculty Center for Teaching and Learning.

The Experiential Learning department instructs co-op and internship courses and facilitates and supports departmental faculty in the development and instruction of internship and service-learning courses. It also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need. Additionally, it supports ArtsBridge, a program in which Art, Music and Theatre majors teach course content through the arts in local schools. All of these options provide major-related, real-world experience that helps students clarify career goals, apply classroom theory, and gain the personal, academic and professional competencies that they need to be work-ready and engaged community members 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 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 the Experiential Learning department or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning Web site.

Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of progressively responsible internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program.
Special Academic Programs and Research Institutes

- Service-Learning is a means of incorporating experiential learning into academic courses so that students learn course content through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content and the world environment. Courses using this approach are designated with SL in the 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 four service-learning courses.

Current co-op and internship opportunities through Experiential Learning, requirements for participation, and information and materials for Service-Learning are all listed on the Experiential Learning Web site. To participate in co-op or internship, students may complete an application online any time during the year, preferably during the term before they want to participate to allow time to obtain an appropriate learning experience. Once students apply online, they meet with Experiential Learning faculty to be referred, obtain opportunities and register for courses.

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski, BA 2 113; 407-823-5243
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 and in southeast region by making programs available in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that are also committed to serving the community. For additional information, visit the National Consortium for Academics and Sports Web site at http://www.ncasports.org.

Division of Continuing Education
Assistant Vice President/Director: J. Patrick Wagner; 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. 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 degree students, area professionals, K-12 students, domestic and international corporations, and local/state/federal government.

Off-Campus College Credit Programs
Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 390; 407-882-0260; Fax: 407-882-0244

Off-Campus College Credit Programs assists in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site at the various business, educational, or government locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research
The Biomolecular Science Center
Director: P.E. Kolattukudy; BL 136, 407-823-1312; Fax: 407-823-0956

The Biomolecular Science Center is housed in the Burnett School of Biomedical Sciences, College of Medicine. The mission of this University-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The research at the Center is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease. See Burnett School of Biomedical Sciences, College of Medicine section or visit http://www.biomed.ucf.edu for more information.

Center for Applied Human Factors in Aviation (CAHFA)
Director and Chief Scientist: Mustapha Mouloud; PSY 303A; 407-823-2910; Fax: 407-823-5862

The Center for Applied Human Factors in Aviation (CAHFA) has as its mission the enhancement of safety in the nation’s airspace system through applied human factors research, systems design, and training strategies. Chartered in 1990, CAHFA is a research consortium established between UCF and Charter partner Embry-Riddle Aeronautical University, Daytona Beach, Florida. CAHFA’s professional staff maintains offices on both campuses. The complimentary strengths of the two universities are combined to create a research resource that is without peer for solving aeronautical human factors problems. CAHFA research initiatives are targeted to significantly reduce human factors related accidents and incidents by determining the efficacy of and by developing strategies for achieving improvements in human performance.

Center for Economic Education
Director: Robert L. Pennington; BA 2 303E; 407-823-2640

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

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A; Orlando, FL 32819, 407-903-8010; Associate Director: Roberto Croes; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028; E-mail: DPI@mail.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, economics, motivation, and forecasting. Some of the Institute’s partnerships 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
Executive Director, Bob Case, 407-235-3904; Associate Director, Jaime Patterson, 407-235-3912; 407-235-3801; 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 Programs
Special Academic Programs and Research Institutes

- 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.

Florida-Canada Linkage Institute
Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: fcl@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs.

The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and community colleges for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute
Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: eeli@mail.ucf.edu

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs.

The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and East European countries to study in Florida state universities and community colleges for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty; 407-235-3960, Fax 407-317-7750

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs and serves as a valuable resource for local government information and provides 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 Fenton, 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1007; Fax: 321-638-1010.

The Florida Solar Energy Center is the largest and most active state-supported alternative energy research institute in the United States. Its facilities are located on the Cocoa campus of UCF at Brevard Community College. FSEC has gained national and international respect for its programs on photovoltaics, hydrogen from renewables, pollutant detoxification, photocatalytic processes, energy-efficient buildings, advanced cooling technologies, and solar thermal systems. It operates the only certified solar equipment testing program in the country. The yearly value of FSEC’s external contracts exceeds its state support by a factor of two. The Center conducts seminars and workshops for teachers and professionals statewide, and its technical library boasts one of the nation’s most extensive holdings on solar and alternative energy. FSEC’s international Renewable Energy Training and Education Center is providing educational programs for government and industry leaders around the world.

Florida Space Institute (FSI)
Acting Director: Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9634; Fax: 321-452-4842; E-mail: fsiccas@mail.ucf.edu
http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida Type I Institute headquartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, electric propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

Institute for Simulation and Training (IST)
Director: Randall Shumaker; 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-882-1335; E-mail: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective 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 use simulation, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

IST laboratories, work space, and administrative offices occupy major portions of three buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of an estimated 150 public and private entities specializing in simulation and training and located along the Central Florida High Tech Corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

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

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Media convergence
- 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 now 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. The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is 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.

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Special Academic Programs and Research Institutes

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

Institute of Statistics and Data Mining
Director: David M. Nickerson; CC2 206; 407-823-5528; E-mail: nickersn@mail.ucf.edu

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

Institute for Technical Documentation
Director: Dan Jones; CNH 303B; 407-823-5160

The Institute for Technical Documentation is a research and teaching center within the English Department. Its activities include technical communication consultation, usability evaluation and testing, and the development of communication training programs for clients. The Institute’s experienced faculty and established facilities afford a strong rapport with local businesses and the capacity to assist in a wide variety of technical documentation projects and services.

Oak Ridge Associated Universities (ORAU)
President and ORAU Councilor for University of Central Florida: John C. Hitt; ORAU Corporate Secretary: Monnie E. Champion; 865-579-3306
http://www.orau.org

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, 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

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 four Sub-Centers located at Daytona Beach Community College, Brevard Community College, Seminole Community College, and Kissimmee Chamber of Commerce. 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 provide assistance to clients in the areas of government contracting and international trade.
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 passed the College Level Academic Skills Test.

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 Engineering Technology, Bachelor of Fine Arts, 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: Art, Digital Media, English, Film, Modern Language Combination, French, History, Humanities, Music, Philosophy, Religious Studies, Spanish, Theatre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Fine Arts (B.F.A.)</td>
<td>Majors: Art, Film, Theatre</td>
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<tr>
<td>Bachelor of Music Performance (B.M.)</td>
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<tr>
<td>Bachelor of Music Education (B.M.E.)</td>
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<tr>
<td>Bachelor of Science (B.S.)</td>
<td>Majors: Photography</td>
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<table>
<thead>
<tr>
<th>College of Business Administration</th>
<th>Bachelor of Science in Business Administration (B.S.B.A.)</th>
<th>Majors: Accounting, Economics, Finance, General Business Administration, Management, Management Information Systems, Marketing, Real Estate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts</td>
<td>Major: Economics</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Arts in Business Administration (B.A.B.A.)</td>
<td>(Regional campuses only)</td>
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<thead>
<tr>
<th>College of Health and Public Affairs</th>
<th>Bachelor of Arts (B.A.)</th>
<th>Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science (B.S.)</td>
<td>Majors: Cardiopulmonary Sciences, Communication Sciences and Disorders, Criminal Justice, Health Information Management, Health Sciences - Athletic Training, Health Sciences - Pre-Clinical Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Social Work (B.S.W.)</td>
<td>Major: Social Work</td>
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<thead>
<tr>
<th>College of Medicine</th>
<th>Burnett School of Biomedical Sciences</th>
<th>Bachelor of Science (B.S.)</th>
<th>Majors: Molecular Biology and Microbiology, Biotechnology, Medical Laboratory Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science in Nursing (B.S.N.)</td>
<td>Major: Nursing</td>
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<table>
<thead>
<tr>
<th>College of Sciences</th>
<th>Bachelor of Arts (B.A.)</th>
<th>Majors: Advertising/Public Relations, Anthropology, Interpersonal/Organizational Communication, International and Global Studies, Journalism, Political Science, Radio-Television, Social Sciences, Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science (B.S.)</td>
<td>Majors: Actuarial Science, Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Arts (B.A.)</td>
<td>Major: Interdisciplinary Studies</td>
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<table>
<thead>
<tr>
<th>Rosen College of Hospitality Management</th>
<th>Bachelor of Science (B.S.)</th>
<th>Majors: Event Management, Hospitality Management, Restaurant and Foodservice Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Applied Science (B.A.S.)</td>
<td>(Regional campuses only)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Office of Undergraduate Studies</th>
<th>Bachelor of Arts (B.A.)</th>
<th>Major: Interdisciplinary Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science (B.S.)</td>
<td>Majors: Interdisciplinary Studies</td>
<td></td>
</tr>
</tbody>
</table>
### Academic Minors by College

<table>
<thead>
<tr>
<th>College of Arts and Humanities</th>
<th>Name of Minor</th>
</tr>
</thead>
</table>


| College of Health and Public Affairs | Aging Studies, American Sign Language and Deaf Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/ American Humanities National Certification Program, Public Administration, Urban and Regional Planning |

| College of Medicine | Molecular Biology and Microbiology |


| Rosen College of Hospitality Management | Hospitality Management |

| Office of Undergraduate Studies | Environmental Studies, Leadership Studies, World Comparative Studies |

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog: [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
The Burnett Honors College

Dean: Alvin Wang;
407-823-2076, Fax 407-823-6583
http://www.honors.ucf.edu

Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Director of Information Systems: Andrew Holloway
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: Nicole Gelfert
Director of Student Services: Madi Dogariu

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small 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 coursework 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, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and Honors in the Major.
University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida 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 12 hours of Honors lower-division coursework; 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.

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 College³</td>
</tr>
</tbody>
</table>

The current upper-division³ 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, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete two Honors upper-division courses or Interdisciplinary Seminars³

- **University Honors Upper-Division Program Requirements:**
  - College of Business Administration (excluding Economics (B.A.))
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete two Honors upper-division Business courses
      - BUL 3130H Honors Legal and Ethical Environment of Business
      - GEB 3356H Honors Introduction to International Business
      - MAR 3023H Honors Marketing
      - FIN 3403H Honors Business Finance
      - MAN 3025H Honors Management of Organizations

*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, Information Technology, Information Systems Technology and Engineering Technology
    1. Complete one Honors Interdisciplinary Seminar³ outside the student’s department of major (although it may be within the College of Engineering and Computer Science)
    2. Complete two Honors upper-division Engineering courses
      - STA 3032H Probability and Statistics for Engineers
      - EGN 3310H Engineering Analysis-Statics
      - EGN 3321H Engineering Analysis-Dynamics
      - EGN 3373H Principles of Electrical Engineering
      - EEL 4818H Machine Learning I
      - EEL 4817H Machine Learning II
    3. Complete the Honors Engineering Research Seminar
      - EGN 4931H Honors Seminar-Research

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 Seminar³
  2. Complete two Honors upper-division Computer Science courses
     - 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 Health and Public Affairs (COHPA)
    1. Complete one Honors Interdisciplinary Seminar³ outside major dept.
    2. Complete one Honors Interdisciplinary Seminar³ offered by COHPA
    3. Complete an additional Honors Interdisciplinary Seminar³ or three credit hours of independent study

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

- **University Honors Upper-Division Program Requirements:**
  - College of Nursing
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete NUR 3165H Nursing Research
    3. Complete one of the following nursing courses
       - NUR 3825H The Role of the Professional Nurse
       - NUR 4837H Health Care Issues, Policy, and Economics
       - NUR 4923H Leadership, Management, and Role Transition
       - NUR 3826H Bioethical and Legal Issues in Healthcare

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

1 ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted to the University Honors Program. Extra Upper Division course(s) can substitute for Lower Division courses.

2 Honors Symposium is a mandatory two credit hour course offered for freshmen in the Fall semester of each year. This course includes guest lectures, video and film presentations, and live performances by guest artists. Freshman Honors Symposium also includes a Service Learning component.

3 An Honors Interdisciplinary Seminar normally is an upper-division offering intended for all majors. Most seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

Acceptable Waivers

Please see The Burnett Honors College Web site at: http://www.honors.ucf.edu for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 107) 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.
UCF-USF Accelerated Medical School Program for Students of The Burnett Honors College

http://www.honors.ucf.edu/Admissions_UCF-USF.asp

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida’s College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor's Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in Molecular Biology and Microbiology in order to receive a Baccalaureate Degree from UCF.

The Burnett Honors College will provide oversight of the student’s progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3+4 track) may transfer a maximum of 30 hours of course work taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3+4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

The USF College of Medicine will provide oversight of the 4-year medical school curricular component of the program.

Eligibility Requirements
- Florida resident
- SAT score of 1350 or ACT of 30
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with one letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at http://www.honors.ucf.edu/Admissions_UCF-USFRequire.asp

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 placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://honors.ucf.edu/docs/HIM/himhandbook.pdf.

Requirements for admission to Honors in the Major are: completion of at least 20 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.

HIM students in the College of Health and Public Affairs may take three credit hours of Honors Interdisciplinary Course. 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 course work. 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, 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. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@ucf.edu.

Student-Mentor Academic Research Teams

TBHC oversees the Student-Mentor Academic Research Teams (SMART) program which is designed to encourage 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.honors.ucf.edu/SMART_main.html

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) serves all UCF students who are eligible to apply for prestigious scholarships such as the Rhodes, Truman, Goldwater, and Marshall. Because TBHC is UCF’s campus representative for all prestigious scholarships, applicants for scholarships that require institutional nomination must contact OSSFA prior to the application process. Students seeking detailed information about prestigious scholarships, applicants for scholarships that require institutional endorsement are encouraged to contact the OSSFA office for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877 or visit BHC 107 prior to the application process.

The Burnett Honors College

COLLEGES

102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) serves all UCF students who are eligible to apply for prestigious scholarships such as the Rhodes, Truman, Goldwater, and Marshall. Because TBHC is UCF’s campus representative for all prestigious scholarships, applicants for scholarships that require institutional nomination must contact OSSFA prior to the application process. Students seeking detailed information about prestigious scholarships and the application process should visit http://www.osssa.unc.edu. All students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA office for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877 or visit BHC 107 prior to the application process.
College of Arts and Humanities
Dean: Jose Fernandez; CAH 190; 407-823-2251;
Associate Dean: Lyman Brodie; CAH 190; 407-823-2251;
Associate Dean: Terry Frederick; CAH 190; 407-823-2251;
Assistant 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: Art, Digital Media, English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women’s Studies, and Middle Eastern Studies.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the online Graduate Catalog.

In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.
A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.

Preprofessional Programs

Prelaw Program

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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is founded 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 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu
http://www.cah.ucf.edu

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. 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.

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

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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

American Studies: Program

Contact: Lyman Brodie; CAH 190; 407-823-2292

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from literature, humanities, social sciences and history.

Degrees: None
Tracks: None
Minors: American Studies

Department of Art

Chair: TBA; VAB 117; 407-823-2676; E-mail: art@ucf.edu
http://www.art.cah.ucf.edu

Faculty: Abbas, Abraham, Ahearn, Burrell, Chavda, Cooper, Francis, Gaudnek, Hall, Haran, Haxton, Isenhour, Kim, Kovach Lotz, Martin, Poindexter, Price, Reedy, Rivers, Robinson, Spencer, Wyatt, Zaho

The faculty in the Department of Art teach studio arts, graphic design, and art history. The curriculum in Art provides professional preparation in art history, and in the studio concentrations of animation, ceramics, drawing, graphic design, painting, photography, printmaking, and sculpture. A Bachelor of Arts is offered in art history and both the Bachelor of Arts and the Bachelor of Fine Arts degrees are offered in the studio specializations. Competitive scholarships and awards are available to currently enrolled full-time UCF art majors through portfolio reviews by faculty. These awards are sponsored by UCF and the Altursa Club of Winter Park.

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degrees: Art (BA, BFA, MFA)
Tracks: Animation, Art History, Studio Art
Minors: Art History, Studio Art

Asian Studies: Program

Contact: Paul Giordano; CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, English, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts–PAVE: Program

Program Director: Janet Kilbride; VAB 117; 407-823-2676

A minor in Community Arts–Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of Digital Media

Interim Chair: José Maunez-Cuadra; OTC5 500; 407-823-6100;
E-mail: digitalmedia@dm.ucf.edu
http://www.dm.cah.ucf.edu

Faculty: Croft, Frederick, Friskics, Hadrika, Hughes, Kenny, Maunez-Cuadra, McDaniel, Moshell, Peters, Smith, Story, Sung, Theen, Underberg, Wirth

Digital Media is a four-year curriculum with areas of specialization in Visual Language and Digital Interactive Systems. Basic concepts in digital technology, story and performance are fundamental to the curriculum. Strong faculty interests in digital production and entertainment, serious games, Internet issues and the development of digital media presentations via various electronic capabilities.

Digital media partnerships with several companies in the area with internships, research activities and graduate work in game development.

Degrees: Digital Media (BA, MA, MFA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor

Department of English

Chair: David Wallace; CNH 405; 407-823-1159;
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu

Faculty: Angley, Applen, Barnes, Bartkevicius, Bell, Bowdon, Brain, Brodkin, Campbell, Casmer-Paz, Cato, Dombrowski, Ethridge, Flammia, Comrad, Grajeda, Hassanat, Hemschemeyer, Hepner, Hohenleitner, Hubbard, Jensen, A. Jones, D. Jones, Kamrath, Kesler, Kyle, Lillios, Logan, Marinara, Mauer, Meehan, Mohrenne, Morton, Murphy, Neal, Oliver, Owens, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Schultz, Scott, Seidel, Spraker, Stag, Telep, Thaxton, Trouard, Wallace, Warde, Weaver, Young; Professors Emeriti: Adicks, Omans, Schiffrin

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration degree plans.

Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval Renaissance, Technical Communication, Writing

Department of Film

Interim Chair: Steve Schlow; COM 121; 407-823-0894;
E-mail: film@ucf.edu
http://www.filmm.cah.ucf.edu

Faculty: Cook, Finch, Gerstein, Harris, Ingle, Johnson, Jones, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe

Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student’s creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students...
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.lacsl.ah.ucf.edu

The Latin American Area 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: None
Tracks: None
Minors: Latin American Area 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.ah.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 politi- cal 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.ah.ucf.edu

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Leticee, Lopez, Ludwig, Miha, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Purmensky, Redmon, Rivera, Solis, Spina, Stebbins, Tartt, Thompson, Trinquet, Villanueva-Ghelfa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music
Chair: TBA; CNH 205; 407-823-2879; Fax 407-823-3378; E-mail: music@ucf.edu
http://www.music.ucf.edu


Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus

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
College of Arts and Humanities

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

**Department of Philosophy**

*Chair:* Bruce Janz; Psychology Bldg. 220; 407-823-4416; E-mail: philosophy@ucf.edu

*Faculty:* Burrus, Cash, Compson, Congdon, Coverston, DiBernardo, Evans, Fiore, 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**

*Interim Chair:* Steven Chicurel; UTC 111; 407-823-2862; E-mail: theatre@ucf.edu

*Faculty:* Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Rus-nock, Scott, Seay, Shafer, Siegfried, St. Claire, Stribling, Tollefson, Vernon, Weaver, Wood, Wootton, Wuehrmann; **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

**Women’s Studies: Program**

*Program Director:* TBA; CNH 411; 407-823-6502; E-mail: womensst@ucf.edu

*Faculty:* Oliver, Preston

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](http://www.oeas.ucf.edu/alc/alc_students_cahum.htm)
College of Business Administration

Dean: Thomas L. Keon; BA 230; 407-823-2181
Associate Dean: E. Taylor Ellis; BA 2101-W; 407-823-2187
Associate Dean: Jaishankar Ganesh; BA 230L; 407-823-5094
Interim Associate Dean: Foard Jones; BA 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. For the BSBA and BABA degrees, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted for BSBA and BABA students when the following are complete:

- Completion of the University General Education program or an AA degree from a Florida Public Community College, and a minimum GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements.
Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of "C" (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at 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.

BE2010
UCF Business. . . the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity and constitute the BE 2010 curriculum. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

GEB 3031 Cornerstone
GEB 3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools I
FIN 3403 Business Finance
MAN 3025 Management of Organizations
ISM 3011 Essentials of Management Information Systems
MAR 3023 Marketing
MAN 4720 Strategic Management

Grade Point Average Requirements
For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of "C" (2.0) or better in each course within the major.

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 201 (or ACG 201 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CSIS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements
   b. All of the common program prerequisite courses.

4. Courses taken at community colleges do not substitute for upper division courses.

5. 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.

6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and 30 hours within the UCF College of Business.

Advisement
Undergraduate Student Services
Director: Randall Brumfield; BA 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 BA110 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 Information Systems  BSBA, MS HR
Management                      BSBA
Marketing                       BSBA
Business (Regional campuses only) BABA
Real Estate                     BSBA

Departments and Programs
Kenneth G. Dixon School of Accounting
Director: R. Roberts, Director; BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-5678
Faculty: Allen, Arnold, Benfors, Bobek, Dennis, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lacy, Lako, Robb, Roberts, Roush, Smith, Sutton, Veit, Welch

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to provide high quality undergraduate, graduate, and professional educational programs responsive to the needs of students, community, and the profession. Teaching, research, and service are the means of accomplishing this mission. The School offers rigorous programs emphasizing communication skills, critical thinking, ethical practices, interpersonal skills, and technical competence preparing graduates for entrance into the accounting profession.

The School encourages intellectual contributions by faculty through instructional development, applied scholarship, and basic scholarship. The School provides service by participating in university governance, professional organizations, and professional educational programs. (Adopted by the faculty on March 4, 1993, and revised by the faculty on January 10, 1997.)

To prepare for any business career, a strong foundation in accounting and taxation will provide the variety of skills necessary to succeed in today's complex financial world. An accounting degree prepares students for entry into the fields of industrial, managerial or governmental accounting, with a strong potential for career advancement.

The objective of the baccalaureate program with a concentration in accounting is to provide fundamental accounting and business knowledge as a foundation for accounting career development. The undergraduate degree also is the first step toward becoming a Certified Public Accountant, Certified Management Accountant and Certified Internal Auditor. The Kenneth G. Dixon School of Accounting also offers master's degrees in accounting and taxation. These programs complete the education required to become a CPA. A rigorous and comprehensive accounting curriculum at UCF focuses on the real-world challenges of accounting, emphasizing problem solving, information analysis and computer applications.
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)

Minors: Accounting

Department of Economics

Chair: W. Milton; BA 305-D, 407-823-3266; E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhaigar, Butterfield, Caputo, Charavorty, Dickie, Euzen, Gering, Gibbs, Harrison, Holfer, Martin, McHone, Milton, Moore, Pennington, Poter, Rutstrom, Scrogin, Soskin, Underwood, White, Yang

Faculty Advisors: R. Pennington, BA 303-B, 407-823-2640, E-mail: robertp@mail.ucf.edu; U. Chakravorty, BA 302S, 407-823-4728; N. Underwood, BA 320N, 407-823-1403

Economic issues dominate today's news and public debates more than ever before. Inflation, unemployment, health care, economic growth, 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.)

Economics (BA)

Minors: Economics

Department of Finance

Chair: A. Byrd; BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Botts-Wright, Byrd, Chambliss, Chen, Curcio, Choi, Dalrymple, Frye, Gatchev, Gilkeson, Gregg, Hoffman, Park, Phillips, Ramanial, Schnitzlein, Singer, Smith, Sweo, Strum, 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.

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, Commercial Real Estate, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business

Faculty Advisor: F. Jones; 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: F. Jones; BA 335; 407-823-2679

Faculty: Ambrose, Becker, Blencke, Boettcher, Callarman, Cleavenger, Connell, Daugherty, Folger, C. Ford, R. Ford, Gay, Harris, Holland, Haung, Keon, Kuenzi, Latham, Mayer, McDonald, Migenes, Nichols, O’Neal, Piccolo, Putchinski, Quinn, Rockmore, Salvador, 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 excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in 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 major 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 major 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 major. 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.
College of Business Administration

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

**Department of Management Information Systems**
Chair: P. Cheney, BA 325D; 407-823-3106, Fax 407-823-2389
Faculty: Goodman, Hightower, Jiang, Leigh, Parikh, Saunders, Szymanski, West

Information systems form both the backbone and nervous system of virtually every business organization today. With the increasingly important role that information systems play in modern business organizations, the timing could not be better to enter this discipline. The objective of the Management Information Systems (MIS) program is to prepare students for exciting and challenging careers in the information systems arena.

MIS involves the study of how organizations use information and information technology to overcome problems or create opportunities. The MIS major prepares students to become problem solvers in a time when information is advertised as the "fourth factor of production." and in an era when government agencies report that one of ten information technology jobs is unfilled.

The MIS major prepares students for such entry-level positions as system analysts, programmer-analysts, and database analysts by providing them with a thorough grounding in the principles of information system design and construction. The MIS curriculum includes coverage of computer programming, database design and implementation, networks and data communications, systems analysis, systems implementation, managerial decision making, and managerial aspects of organizational information systems. The strength of the major is its combination of technology skills with a thorough grounding in the principles of all the functional areas of business.

The MIS major is ideal for students who excel at solving problems and who can take ownership for implementing their solutions in working organizational systems. Students in the program are trained to be comfortable shifting between the big picture and the detailed view of a problem and its solution. They also have their communication skills refined so that they are better able to communicate effectively as they discover the nature of the organizational problem (or opportunity), as they present their solutions, and as they manage the system implementation.

Successful MIS graduates have a variety of career options open to them, which lead to competitive salaries and travel opportunities. While many graduates join internal MIS staffs or consulting firms, there is a wide array of choices available to them. Graduates can choose between large and small companies, emerging or stable industries, and from among a multitude of career paths.

**Distinctive Benefits**
- Challenging field of study that rewards inquisitive students who are willing to work toward a goal.
- Unique internship opportunities throughout the Central Florida region.
- An active student organization (MISA).
- Excellent job opportunities and starting salary prospects.
- Ability for graduates to apply and integrate all of the functional areas of business early in their professional careers.

**Degrees**: Management Information Systems (BSBA), Master of Science, Management Information Systems (MS/MIS)
**Minors**: Management Information Systems, Operations Management/Enterprise Systems

**Department of Marketing**
Chair: R. Michaels; BA 3207; 407-823-2108
http://www.bus.ucf.edu/marketing/index.htm
Faculty: Allen, Borrieci, Davis, Desiraju, Echambadi, Ganesh, Gundy, H., Hovett, Joshi, Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Rubin, Sooder, Stock, Vanhouche

The Marketing major at UCF is called Impact Marketing 2010, or simply IM2010. It provides a superior education in the foundations of marketing such as research, customer 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, sports marketing, healthcare, entertainment marketing or services. Internships are also readily available and count as a marketing elective. Skills emphasized and developed throughout the curriculum are teamwork, communication, creativity, quantitative analysis, computing, problem solving, decision-making, thinking globally, and driving change.

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, Sports 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 an 18-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 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, sports 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**
- IM2010 program for Marketing majors recognized as one of the most innovative in the country.
- Seven certificate programs are available for Marketing majors.
- An 18-hour Marketing minor is available for students with other majors.
- Twenty-two dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer - you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- 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, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPs).

**Degrees**: Marketing (BSBA)
**Tracks**: Generalist, Sales
**Minor**: Marketing
**Certificates**: Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

For more information, visit http://www.bus.ucf.edu/marketing/, or call 407-823-2108. Department office is located in BA 353.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.ceas.ucf.edu/alc/alc_students_cba.htm

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**-Colleges of Business Administration**

84 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
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, and exceptional education, technical education and industry training, and sports and fitness 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 Education
- Elementary Education
- English Language Arts Education
- Exceptional Student Education
- Foreign Language Education
- Mathematics Education
- Science Education
- Social Science Education
- Sports and Fitness
- Technical Education and Industry Training

**Success to Significance**
- America’s 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices

**Partnerships with eleven 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
- Florida’s Literacy and Reading Excellence Center (FLaRE)
- 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 Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- 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)
- Florida Marriage and Family Research Institute
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 Education.
- Pass all four parts of the General Knowledge Test and/or CLAST examination. 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 Office of Student Affairs (ED 110) 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 Office of Student Affairs, 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
Executive Director: Tina M. Smile, ED 110, 407-823-3723
http://education.ucf.edu/StudentAffairs/

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, Minorities Programs in Education (MPIPE), 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, internship/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 be aware: that certain crimes 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 Web site and are approved by the Office of Clinical Experiences.

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. 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 coordinator and department chair. 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

Students must also have completed all methods courses and most of their specialization courses. Some programs require all specialization courses to be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. 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 Programs in Education (MPIE)
Tina M. Smilie; ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE 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
- Assist in job placement
- 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
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Application deadlines:
July 1 for Fall semester
November 15 for Spring semester

Student Services
Director, Graduate Services: Andrea Withington, ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small, ED 110, 407-823-3723
http://education.ucf.edu/studentservices/

Student Services assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Education Pending majors are advised in Student Services. Students are assigned an advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Affairs or at http://www.studentaffairs.education.ucf.edu/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Education) and passing scores on the General Knowledge Test (GKT).

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 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 masters 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

Executive Director: Tina M. Smilie; ED 175; 407-823-0043
Undergraduate Coordinator: Jorri Bright; ED 175; 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 Web site.

Department of Child, Family, and Community Sciences

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


Undergraduate academic major programs leading to bachelor’s degrees and 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 Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-Kindergarten Exceptional Student Education is embedded in this certification).

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

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 CFCS Web site: http://education.ucf.edu/cfcs/

Department of Educational Research, Technology and Leadership

Chair: Conrad Katzenmeyer; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623


The Department of Educational Research, Technology and Leadership (ERTL) is a graduate department with programs in Educational Leadership K-12, Instructional Technology/Media, and Higher Education and Policy Studies. The Educational Research faculty is responsible for training students college-wide in Educational Research, Measurement and Evaluation.

ERTL 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.”

Department of Educational Studies

Chair: Karen L. Biraimah; ED 209-B; 407-823-2426
Assistant to the Chair: Brenda Thompson; ED 206-E; 407-823-6579

Faculty: Allen, Becker, Bentley, Boote, Eriksson, Gill, Goodman, Hewitt, Hoffman, Hoit, Hopp, Hutchinson, Johnson, Kay, Kochan, Koger, Lehman, Lue Stewart, Murray, Owens, Short, Stewart, Wise

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduates majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the M.A. in Curriculum and Instruction and the M.Ed. in Teacher Leadership and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education. Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

Department of Teaching and Learning Principles

Chair: Michael Hynes; ED 209-D; 407-823-2005
Assistant to the Chair: Janet Zajac, ED 206-C; 407-823-0523 and Maria Cox, ED 206-D; 407-823-1763


Elementary/Middle Education

The Elementary Education program is designed for prospective teachers interested in the education of children, 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/Post Secondary Education and Training

Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, K-8 Mathematics and Science Education, Mathematics Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, Social Science Education, and Art Education.

K-12 Education

Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art Education and Foreign Language Education (French or Spanish).

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oeas.ucf.edu/alcalc_students_coe.htm
The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

- **EDUCATION**: Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, to prepare a diverse student body to be effective, contributing members of a technological society, and lifelong learners.

- **RESEARCH**: Expanding the knowledge base of engineering and computer science through dynamic research and, applying new discoveries for problem solving.

- **PARTNERSHIPS**: Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic, and social well-being of mankind.

- **OPPORTUNITY**: Extending educational opportunities to technology practitioners locally, nationally, and globally to enhance human performance, and economic, and technical development.

### College Mission Statement

The College of Engineering and Computer Science is organized into three major divisions: the Engineering and Computer Science Division, the Engineering Technology Division, and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The Engineering Technology Division is comprised of the Engineering Technology Division.
College of Engineering and Computer Science

Technology (ENT) Department, and the ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components 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, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

The Engineering Technology Division and Department offers baccalaureate concentrations in Design and Operations, leading to the Bachelor of Science in Engineering Technology (BSET) degree, and a concentration in Electrical Systems, leading to the Bachelor of Science in Electrical Engineering Technology (BSEEET) degree. Both the BSET Electrical Systems and BSET degrees are accredited by the Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: 410-347-7700. The Engineering Technology Department also offers a Bachelor of Science degree in Information Systems Technology (BS). This degree is designed for students who have completed 33 credit hours of lower level technical courses at a community college in the areas of networking, programming, information technology, computer science, communication engineering, and telecommunications technologies.

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, engineering technology, and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students conduct research with faculty who are recognized experts in their respective fields. Students who participate in the Honors Program benefit from close professional faculty-student interaction and 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 in lieu of Senior Design I and II. These six credit hours consist of an Honors Thesis 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 Honors Program in the College of Engineering and Computer Science Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors Thesis 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 Technology/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major program must be made to the College of Engineering and Computer Science Honors Office, 4200 Engineering Drive, Army ROTC Building 2, room 301H. 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, engineering technology, 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, Engineering Technology, and Computer Science Programs

Information on each UCF engineering, engineering technology, and computer science program follows, and more current information 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; Fax: 407-823-3315
http://www.cecs.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Cattas, Chang, Chopra, Cooper, Duranceau, Hagen, Khalafallah, Kuo, Mackie, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Wayson, Yeh

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCCE), Environmental Engineering (BSEnE), 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, ...
Within the first several years following graduation, graduates should:

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.

Program Objectives
Within the first several years following graduation, graduates should:

1. 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.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Educational Objectives
1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Civil Engineering such as structures, geotechnical, water resources, transportation, construction, surveying, and environmental.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain experience in applied engineering design within a broad curriculum.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.

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 Program 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 minimum of two Project Design Courses (out of four offered) which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Program Objectives
Within the first several years following graduation, graduates should:

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

Educational Objectives
1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Environmental Engineering such as solid waste, air pollution, water and wastewater treatment, and water resources.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain experience in applied engineering design within a broad curriculum.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.

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 minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The 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.

Program Objectives

Within the first few 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.

Educational Objectives

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Construction Engineering and Management such as construction process design, cost estimating, scheduling, construction methods and equipment, and project administration and control.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain knowledge of business, management, legal, and professional issues.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.
7. Provide a knowledge base necessary for the engineering management of construction projects including management principles, process improvement, and legal concepts.

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 license, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

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

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

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double major from the department should reflect a significant achievement of students, and therefore 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 major shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different capstone design courses, one from each program.
- The student shall notify the Chair of his or her intent to pursue a double major by the start of the final academic year (3 semesters) of coursework, and shall have a "program of study" prepared and approved by the Chair.
- Completion of requirements for both majors must be in the same semester.
- The same catalog year must be used for both majors.

Additional notes:

- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The double major program for a student must be approved by the Chair in the final year. This eliminates last-minute confusion by the student and allows the Chair time to review the technical elective, and the specific design courses being taken by each student.
- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
- The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering:
  - CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
  - The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely:
    - SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4605 or CES 4702.
    - The 13 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely:
      - CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.
      - The 16 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering:
        - CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.
- One diploma indicating only one major will be awarded, both
majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E., and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

Director: Issa Batarseh; HEC 437; 407-823-3957

Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMara, Deo, Dutton, Foroosh, Gallagher, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hua, Hughes, Jones, Kaspars, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Malocha, Marinescu, Mikhail, Mukherjee, Orooji, Pattanaik, Qu, Richie, Rolland, Shah, Shen, Stanley, Sukthankar, Sundaram, Tappan, Turcotte, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, 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 coursework. Students may use required 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 give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. CS majors shall demonstrate knowledge of discrete and continuous mathematics and their skills in applying logic and mathemati-cal proof techniques.
2. CS graduates shall demonstrate knowledge and skill in algorithm design and complexity analysis.
3. CS majors shall demonstrate knowledge of programming fundamentals by their degree of programming skill using at least three programming languages dominant in the computing industry.
4. Graduating CS majors shall demonstrate knowledge and understanding of the concepts, design principles and fundamental algorithms related to computer architecture and organization, computer operating systems, computer networks and distributed computing.
5. Graduating CS majors shall demonstrate their effectiveness in technical oral and written communication skills, particularly as these skills apply to the dissemination of technical information on subjects dealing with computing technology and applications.
6. Graduating CS majors shall demonstrate knowledge of fundamental concepts and principles in software engineering and the skills to apply best-practices in software development processes, methods and tools.
7. Graduating CS majors shall be highly competitive professionals in the market place of entry level jobs requiring technical skills in application software development.
8. Graduating CS majors shall be highly competitive in their acceptance for advanced study at colleges and universities ranked in the same tier with UCF or higher.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.
2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database 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, 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 solution 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. Convey technical material through oral presentations of information technology related topics.

**Electrical and Computer Engineering Programs**
The Electrical and Computer Engineering programs offer 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.P.E.), and Doctor of Philosophy (Ph.D.) are also offered.

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 24 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, and implementation of the principles and practices in Electrical Engineering.

**Educational Objectives**
The educational objectives are to prepare:
1. Students for careers in industry or technical entrepreneurship within the electrical engineering field,
2. Interested students for pursuit of graduate study and advanced degrees at UCF or elsewhere, and
3. Students for advancement within the professional community through ethical engineering practices and career-long learning processes.

**Program Outcomes**
Graduates of the Computer Engineering program should attain:
1. An ability to apply knowledge of mathematics, science, and engineering,
2. An ability to design and conduct experiments, as well as to analyze and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
4. An ability to function on multidisciplinary teams,
5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues,
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering science 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 18 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 4039C), Digital Signal Processing (EEL 4750), Signal Analysis and Communication (EEL 3552C), Embedded Systems (EEE 4767C), Networks and Systems (EEE 3123C) and Digital Circuits and Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

**Mission Statement**
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 educational objectives are to prepare:
1. Students for careers in industry or technical entrepreneurship within the electrical engineering field,
2. Interested students for pursuit of graduate study and advanced degrees at UCF or elsewhere,
3. Students for advancement within the professional community through ethical engineering practices and career-long learning processes.

**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, mathematics through differential and integral calculus, basic sciences, computer science, and engineering science necessary to analyze and design complex electrical and electronic devices.
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variable.

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](http://www.ece.ucf.edu).
School of Electrical Engineering and Computer Science
Policies and Procedures
The School’s web site (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advise ment, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

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

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer. Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:
1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to 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
Interim Chair: David Nicholson; ENGR 307; 407-823-2416; Fax 407-823-0208
Faculty: An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Hou, Huang, Ilegbusi, Kapat, Kassab, Kumar, Lin, Minardi, Mosleh, Orlovskaia, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C.Xu, Y. Xu

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:

COLLEGES
1. Provide the highest quality aerospace engineering professionals and leaders.

2. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.

3. 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 use 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:

1. Providing the highest quality engineering professionals and leaders.

2. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.

3. 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.

Department of Engineering Technology

Chair: R. Eaglin; ENGR 207; 407-823-5937, Fax 407-823-4746
Program Coordinator: BSET Programs: E. Divo; ENGR 207: 407-823-4753
Program Coordinator: BSET Programs: A. Rahrooh; ENGR 207; 407-823-4749
Program Coordinator: Information Systems Technology: B. Motlagh; ENGR 207; 407-823-4748

Faculty: Ali, Burroughs, Craiger, Divo, Ducharme, Mehrabian, Misconi, Morse, Motlagh, Osborne, Pollit, Rahrooh, Shepard, Sleiti, Youssef
Mission
The mission of the Engineering Technology program is to educate students to become professional technologists who meet the current needs of industry.

Bachelor of Science in Electrical Engineering Technology (BSET)
This program in electrical engineering technology, leading to the BSET degree, provides a structured curriculum with instruction in fundamentals and engineering principles applicable toward working with both present and future technologies in a variety of work environments. Graduates may find employment opportunities in such diverse fields as aerospace, instrumentation, computers, communications, consumer products, banking and education. They may become involved in applied design, product development, manufacturing, quality assurance, production and operations as well as activities such as field engineering, sales, system analysis, technical writing and software design, preparation and programming.

The EET program provides three paths of concentration, thereby providing the student a choice between either a hardware or a software emphasis. The concentration in Electrical systems provides a broad based curriculum in electrical/electronic engineering principles, and their application. Instruction and problem solving experiences are provided in both circuit and system aspects including computers, communications, controls and electrical power. The concentration in Computer Systems, while providing a firm foundation in electrical electronics technology, also includes extensive instruction in programming, system design and analysis, and systems programming. Projects in solving real-world problems are required of all students in this concentration. The concentration in Photonics provides a background in optics, lasers, electrical systems, and the use and theory of light. It is designed to provide the necessary education for a career in the photonics industry.

Educational Objectives:
1. Objective 1 (Technical Knowledge) - Broad knowledge of electrical/electronics, engineering technology practices to support design, application, installation, manufacturing, operation, and maintenance as required by their employer.
2. Objective 2 (Technical Skills) - Apply basic mathematical and scientific principles for technical problem solving in areas which include circuit analysis of both analog and digital electronics, microprocessors...
3. Objective 3 (Computer Skills) – Utilize computers and software in a technical environment.
4. Objective 4 (Communication Skills) - Demonstrated competence in written and oral communications.
5. Objective 5 (Professional Skills) - Work effectively as an individual and as a member of a multidisciplinary team.
6. Objective 6 (Social Awareness) - Awareness of social concerns and professional responsibilities in the workplace.
7. Objective 7 (Life-long Learning) - Continued professional training and ability to adapt to changes in the workplace through formal and informal education.

Program Outcomes:
Students should be able to:
1. Apply basic knowledge in electronics, electrical circuit analysis, power systems, microprocessors, photonics, programmable logic controllers, and control systems.
2. Apply basic mathematical, scientific, and engineering concepts to technical problem solving
3. Conduct experiments, and then analyze and interpret results
4. Apply creativity through the use of project-based work to design circuits, systems and processes
5. Work effectively in teams
6. Demonstrate a working knowledge of drafting, computer usage, including the use of one or more computer software packages for technical problem solving
7. Communicate effectively orally, visually and in writing
8. Recognize the need for lifelong learning and be prepared to continue their education through formal and informal study
9. Understand professional, ethical and social responsibilities
10. Have a respect for diversity, and a knowledge of contemporary professional, societal and global issues
11. Have a commitment to quality, timeliness, and continuous improvement

Bachelor of Science in Engineering Technology (BSET)
The BSET curriculum consists of a carefully integrated program that includes professional studies, general education, and applied mathematics and sciences. Through the selection of the upper level technical concentration students can build and tailor their program, based on previous knowledge to assist them to launch a career that best meets their needs and aspirations. The Design concentration provides advanced course work in preparation for employment at the baccalaureate level in the fields of manufacturing, testing and fabrication, mechanical parts, and the building and construction industries. Graduates may become involved in applied design, product development, manufacturing, or production, to name but a few. The Operations concentration provides an orientation for professional careers in technical management and operations in the manufacturing, sales, services, and construction industries. Graduates may become involved in many diverse areas including product development, manufacturing, quality assurance and logistics, sales, field engineering, technical writing and safety. The Space Science Technology concentration prepares students for a career in launch and space operations, payload management, and other requirements to work in the space industry. Projects in solving real-world problems are required of all students in the BSET program. In addition to the engineering technology core, all concentrations in the BSET program have a common lower division core as well as a common upper division core.

Educational Objectives:
1. Career: Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems within their concentration: industrial operations, mechanical design, construction design, space science, or geomatics.
2. Skills: Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.
3. Professionalism and Ethics: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.
4. Life-Long Learning: Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.

Program Outcomes:
Graduates will be able to:
1. Demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of industrial operations, design, space science, or geomatics.
2. Demonstrate an ability to apply current knowledge and adapt to emerging applications of engineering and technology within industrial operations, design, space science, or geomatics.
3. Demonstrate an ability to conduct, analyze, and interpret experiments within industrial operations, design, space science, or geomatics.
4. Apply creativity in the design of projects within industrial operations, design, space science, or geomatics.
5. Demonstrate an ability to function effectively on teams.
7. Demonstrate written and verbal communication competencies in Engineering Technology.
8. Recognize the need to engage in lifelong learning through formal and informal study.
9. Demonstrate understanding of professional, ethical, and social responsibilities.
10. Demonstrate a respect for diversity, and a knowledge of contemporary professional, social and global issues
11. Display a commitment to quality, timeliness, and continuous improvement.
Bachelor of Science in Information Systems Technology (BS)
The Engineering Technology Department also offers the Bachelor of Science degree in Information Systems Technology (BS), designed to accept Associate of Science (AS) degree graduates from community college programs in Computer Programming Technology, Digital Communications, and Networking. The IST curriculum provides the AS graduate with additional course work in networking and computer systems. It also provides skills and knowledge related to project management in Information Technology. A characteristic of this curriculum is that it contains less mathematics and natural science than do the BSET and BSEET curricula.

Educational Objectives:
1. Graduates will have a broad understanding of the key principles and practices of information systems and technology, including the application of their skills and knowledge to the design and implementation of information technology systems.
2. Graduates will have an understanding of the mathematical and scientific concepts that underlie information systems, and will have applied this understanding, as appropriate, in analyzing the application to real-world problems and designing suitable solutions.
3. Graduates will have an understanding of ethical, human and social issues, and will be informed and involved members of their local and global communities, and responsible information systems and technology professionals.
4. Graduates will have appropriate interaction and organizational skills, and will be routinely using and further developing these skills in their professional careers.
5. Graduates will be actively engaged in learning, understanding, and applying new ideas and technologies as the field evolves.

Program Outcomes:
1. An ability to apply knowledge of computing and mathematics appropriate to the discipline
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
3. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
4. An ability to function effectively on teams to accomplish a common goal
5. An understanding of professional, ethical, legal, security, and social issues and responsibilities
6. An ability to communicate effectively with a range of audiences
7. An ability to analyze the local and global impact of computing on individuals, organizations and society
8. Recognition of the need for, and an ability to engage in, continuing professional development
9. An ability to use current techniques, skills, and tools necessary for computing practices
10. An understanding of processes that support the delivery and management of information systems within a specific application

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265
Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSgt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum
Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:

1. General Military Course (GMC)
The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.

2. Professional Officer Course (POC)
The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory
Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course
- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and have at least two and a half years of college remaining
- Meet all academic and physical standards
- 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 of four years for officers in flight duty or other active duty military service. After completing the basic training program, students will be assigned to a career field according to their selection and qualifications. All officers must re-enlist after their initial service obligation.
Army ROTC (Military Science)

Chair: LTC Sean Morgan, Trailer 501, Room 110
Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Betty 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 or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

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

1. Basic Military Science
   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
   B. Requisites for admission to the Basic Course:
      - Enrollment in a Baccalaureate or Master’s degree program
      - Full-time student status

2. Advanced Military Science
   A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.
   B. Requisites for Admission to the Advanced Course:
      - Successful completion of Basic Course, or placement credit
      - Must be at least 17 years of age at the time of entry, but not more that 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 attend 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 must normally attend LDAC the summer following their junior year and receive approximately $800 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses
   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:
   a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

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

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

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation 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 Programs in Athletic Training, Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences.

Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site.

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

**Academic Advisement**

**Undergraduate Student Services**

*Executive Director:* Judith A. Sindlinger, HPA2 115, 407-823-0010, E-mail: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office. Faculty advisors are assigned to students upon admission to their degree program in their academic department.

**Programs and Degrees**

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<tr>
<th>Major</th>
<th>Degree</th>
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<tr>
<td>Cardiopulmonary Sciences</td>
<td>BS</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Information Management</td>
<td>BS</td>
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<tr>
<td>Health Sciences - Athletic Training</td>
<td>BS</td>
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<tr>
<td>Health Sciences - Pre-Clinical Allied Health Track</td>
<td>BS</td>
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<td>Health Services Administration</td>
<td>MS</td>
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<td>Legal Studies</td>
<td>BA, BS</td>
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<td>Public Administration</td>
<td>BA, BS, MPA, MMN</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</td>
<td>DPT</td>
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<td>Radiologic Sciences</td>
<td>BS</td>
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<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
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**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:* Stephen Holmes, HPA 365, 407-823-0171

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

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

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

*Associate Dean:* Joyce Dorner, M.N., HPA 365, 407-823-0171


The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.
Department of Communication Sciences and Disorders
Chair: R. J. Lieberman, HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis
Undergraduate Coordinator: Jamie Schwartz
Clinic Director: TBA, Research Pavilion Suite 155, 407-249-4770

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA, PhD in Education, Communication Sciences and Disorders Track)
Tracks: None
Minors: Communication Sciences and Disorders, American Sign Language and Deaf Studies
Certificates: American Sign Language, Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies
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 Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None
Minors: Criminal Justice, Legal Studies

Department of Health Management and Informatics
Interim Chair: Aaron Liberman, HPA 210, 407-823-2359

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health 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
Director: K. Cortelyou-Ward, HPA 210, 407-823-2359
The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

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

Program in Health Information Management
Director: A. Noblin, HPA 210, 407-823-2353
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 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 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).
COLLEGES

Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2359

Faculty: Angelopoulos, Bertetta, Douglass, Gosnell, Hanney, Lee, McDonough, Salter, Schellhase, Segal, Smith, Wagner, Worrell.

The Department of Health Professions offers baccalaureate programs which prepare students for professions in the fields of Cardiopulmonary Sciences (Respiratory Care), Health Information Management, Athletic Training, Health Services Administration, and Radiologic Sciences. The Department also offers a degree in Health Sciences - Pre-Clinical for those planning to go on to a graduate clinical professional program.

The mission of the Department is to provide quality undergraduate and graduate academic, administrative, and clinical instruction with an accent on educating future leaders of the health care system. The Department seeks first to strengthen existing programs, as well as to identify and develop new programs that fulfill a documented need for health care resources and technology. Another goal is to foster the development of knowledge through research, publications, and scientific presentations. Finally, the Department seeks to provide continuing education for the health care community and consumer health education.

The programs in Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences require a minimum overall GPA of 2.5 for consideration for admission and the Athletic Training program requires an overall minimum GPA of 2.75. In addition, for admission a minimum grade of "C" (2.0) is required for prerequisite courses and required courses within the program. These programs are all accredited by their national professional associations and graduates are prepared to take the appropriate examination for certification.

Program in Cardiopulmonary Sciences

Director: Steve Shidelier, HPA2 210, 407-823-2214

The major in Cardiopulmonary Sciences (also known as Respiratory Care) leads to the Bachelor of Science Degree. In the professional curriculum, students study respiratory therapy skills, pharmacology, life support techniques, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic patient care and advanced practice patient care skills and should be prepared to assume a future leadership role within the profession. Graduates will also be prepared to take the entry-level and advanced practice national examinations. These examinations will first lead to licensing by the State of Florida (CRT examination), and then to the advanced practice credential, Registered Respiratory Therapist (RRT examination).

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with the Commission on Accreditation of the American Medical Association. The cardiopulmonary sciences program is a limited access program and requires a separate application to the program submitted by March 1st of the year in which admission to the program is sought.

Degrees: Cardiopulmonary Sciences (BS)
Tracks: None
Minors: None

Program in Health Sciences-Athletic Training Track

Director: Kristen C. Schellhase, HPA2 124, 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester. Clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an 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 Health Sciences – Athletic Training Track 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). This is a competencies program that requires a separate application process following acceptance into the University. Consent from the program director is required.

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

Program in Health Sciences-Pre-Clinical Track

Director: David M. Segal, Ph.D., HPA2 203, 407-823-6761
E-mail: dsegal@mail.ucf.edu
http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm

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, pharmacy, physical assistant, medicine, dentistry, and veterinary medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: None
Minors: Health Sciences

Program in Radiologic Sciences

Director: S.D. Gosnell, HPA2 208, 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences limited access degree program in Florida. The Radiologic Sciences Program offers entry-level students the opportunity to specialize in conventional radiography and the advanced imaging modalities. Radiographers are integral members of the health care team dedicated to providing high quality patient care. Graduates are prepared to function as clinically competent radiographers and, with experience, advance to leadership positions in the profession.

The University of Central Florida also sponsors an A.S. to B.S. transfer program designed for ARRT certified radiographers interested in combining their professional development with earning a baccalaureate degree in Radiologic Sciences. Didactic courses for the entry-level and the A.S. to B.S. transfer programs are offered in the classroom and on the internet. Additional information regarding the transfer program is provided in the “Statewide Articulated A.S. to B.S. Programs” section of the catalog.

The primary role of radiographers is to perform medical imaging procedures for the diagnosis of disease and injury. The radiographer enjoys an interesting and challenging variety of examinations/procedures which may include conventional radiography, fluoroscopy, mammography, vascular imaging, computed tomography and magnetic resonance imaging. Employment opportunities are available in hospitals, imaging centers, and private physician offices. Career advancement opportunities include positions in advanced imaging modalities, administration, education, and quality management.

The Radiologic Sciences Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

The program works in conjunction with area hospitals and imaging centers.

Degrees: Radiologic Sciences (BS)
Tracks: None
Minors: None

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 87,000 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 Humanics National Certification Program

**Certificates:** Nonprofit Management

### School of Social Work

**Director:** John Ronnau, HPA 204, 407-823-2114

**Faculty:** Abel, Bricout, Buckey, L. Davis, Gammonley, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, 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 Congress, 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 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. Our 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.

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies, Children’s Services, and Addictions with special concentrations in these areas. 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:** Addictions, Aging Studies, Children’s Services

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*Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: [http://oeas.ucf.edu/alc/alc_students_cohpa.htm](http://oeas.ucf.edu/alc/alc_students_cohpa.htm)*
College of Medicine

Dean: Deborah C. German, M.D., University Tower, 3rd Floor; 407-823-1841
http://www.med.ucf.edu/

The University of Central Florida (UCF) College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to increase opportunities for medical education in Florida, address the nationwide growing shortage of physicians, and provide economic benefits to Central Florida and the State. In Fall 2009, the College of Medicine will welcome its first Doctor of Medicine (M.D.) students. Details on the application process for the UCF M.D. program are available on the College of Medicine web site (http://www.med.ucf.edu/).

The UCF College of Medicine is building an academic program with an integrated approach to medical education, state-of-the-art technical capabilities, and focused biomedical research. The college will be located at the UCF Health Sciences Campus at Lake Nona, a state-of-the-art complex for medical education, health sciences education, and biomedical research. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

The UCF M.D. program prepares students for careers in every discipline of medicine and allows each student to focus on an individualized area of study or research. The M.D. program learning experience at the University of Central Florida is a unique and exciting blend of state-of-the-art technology, clinical and laboratory experiences, research, facilitator-directed small group sessions, and interactive didactic lectures.

In addition to the new M.D. program, the College of Medicine offers a broad range of educational programs in the Burnett School of Biomedical Sciences including undergraduate degrees in Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences, master's degrees in Molecular Biology and Microbiology, and Biotechnology, and an interdisciplinary doctor of philosophy degree in Biomedical Sciences.

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 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 Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,000 undergraduate students and as many as 100 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.

Programs and Degrees

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Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA2, 335J; 407-823-5932
Undergraduate Coordinator: Dorilyn Hitchcock; HPA2 335A; 407-823-5932
Graduate Coordinator: Saleh Naser; BL 221; 407-823-0956

Faculty: R. Ahangari; R. Borgon; E. Bossy-Wetzel; K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daniell; S. Ebert; C. Fernandez-Valle; M. Fu; R. Gennaro; D. Hitchcock; K. Ireton; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; X. Li; S. Moore; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; D. Singla; K. Sugaya; S. Tatulian; K. Teter; J. Turkson; G. Weigel; R. White; A. Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary,
pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.

Program in Molecular Biology and Microbiology
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 molecular, clinical, analytical or investigatory 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 professionals (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Molecular Biology and Microbiology (B.S., M.S.)
Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

Tracks: None
Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF
Accelerated Medical School Program (B.S.)
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine (USF/COM) through the accelerated program will meet all USF/COM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology
Director: 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/medical 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 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 is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.
College of Nursing

Dean: Jean Leuner, HPA 220, 407-823-5496
Associate Dean: Linda Hennig, HPA 220, 407-823-4941
Associate Dean: Jean Kijek, HPA 220, 407-823-3079


The College of Nursing is the 12th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Nurse Practitioner (Family, Adult, or Pediatric), Clinical Nurse Specialist, Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN)
(PhD) (DNP)

Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college Web site: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
HPA 220, 407-823-2744

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
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 40 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 Incubation 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 $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, 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 and Actuarial Science; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 49 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg; CNH 414; 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 program of study 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 assistance for the College of Sciences. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the requirements within a major or minor should be directed to the department offering the program. The student should contact the department early in his/her academic career. For additional information about COSAS, please visit our Web site.

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<td>Interpersonal and Organizational Communication</td>
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<td>Journalism</td>
<td>BA</td>
</tr>
<tr>
<td>Magazine Journalism</td>
<td>Minor</td>
</tr>
<tr>
<td>Mathematics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Mass Communication</td>
<td>Minor</td>
</tr>
<tr>
<td>Physics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Political Science-Pre Law</td>
<td>BA Track</td>
</tr>
<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Radio/Television</td>
<td>BA</td>
</tr>
<tr>
<td>Social Sciences Interdisciplinary</td>
<td>BS, Minor</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
</tr>
</tbody>
</table>

Department of Anthropology

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

Faculty: Barber, A, Chase, D, Chase, Cowgill, Dupras, Geiger, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishial, Schultz, Sinnelli, Walker, Zorn

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 tracks 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)
Tracks: Cultural Competency (MA), Archaeological Investigations in Forensics and Human Adaptations (MA), Maya Studies (MA)
Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Native American Indian Studies

Department of Biology

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

Faculty: Bayer, Borst, Calestani, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Logiudice, Morrison-Shelter, Nadeau, Noss, Parkinson, Quigley, Quintana-Aascencio, Roth, Shetlar, Sotero-Esteva, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Waterman, Weishampel, Worthy.

Professors Emeritus: Ehhrart, Ellis, Kuhn, Koenenig, Snelson, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservative 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 opens career opportunities for graduates in areas of their particular degree program. Graduates are well prepared to further their education in professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a sub-specialty. 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 contracts.

Degrees: Biology (BS, MS, PhD)
Tracks: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstal@mail.ucf.edu
http://www.cos.ucf.edu/chemistry

Associate Chair and Undergraduate Coordinator: Cherie L. Geiger; CH 325; 407-823-2135

The Department of Chemistry offers courses and programs leading to: a Bachelor of Science in Chemistry, a Bachelor of Science in Forensic Science, a minor in Chemistry, a Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and a Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomolecular 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, pharmacy, medicine, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

Nicholson School of Communication

Director: Robert Chandler; COM 238; 407-823-2681; E-mail: communication@ucf.edu
http://www.cos.ucf.edu/communication


Faculty Emeriti: Fedder, O’Keefe, Taylor, Wycoff
The Nicholson School of Communication provides students with a balance of practical skills and philosophical aspects of communication. The programs prepare students to understand mass media as social institutions and train them for professional careers. The School is composed of four Areas each of which offer a Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowledge, theory, and skills needed to understand and predict human communicative behavior, necessary for employment in business, sales, and NPOs, or as background for advanced study in graduate school.
3. Journalism. Provides theory and skills needed to gain employment in newspapers, magazines, and similar forms of mass communication.

Facilities

The Radio-Television Area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism Area has computer labs and a digital darkroom. The Advertising/Public Relations Area has a computer writing lab. The Interpersonal/ Organizational Communication Area has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Area also has a small group laboratory equipped with audio/video record/playback.

Degrees: Advertisng/Public Relations (BA), Communication (MA), Interpersonal & Organizational Communication (BA), Journalism (BA), Radio Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist, News Writing, Visual Communications, Editing

Minors: 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: Heath Martin; MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Capursi, Choudhury, Clarke, Dunlop-Pyle, Dutkay, Dutton, Griffiths, Han, Higginns, Ismail, Kassab, Kazanovich, Kawin, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Nashed, Neval, Nicholson, Pensky, Phillips, Qi, Reid, Ren, Richardson, Rollins, Schober, Shimagami, Song, Sun, Swanson, Tamasan, Tovbis, Vajralevu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs which lead to a Bachelor of Science in Mathematics, a minor 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 advanced 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. There are the usual service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis and applied mathematics. The department does not award credit by examination for courses which are regularly taught. Students who feel they know 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)

Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics

Minors: Mathematics

Department of Physics

Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://www.physics.ucf.edu

Associate Chair: Lee Chow; MAP 315; 407-823-2333

Faculty: Bhattacharya, Bindell, Bose, Britt, Brucecko, Campins, Chernyak, Chow, Colwell, Del Barco, Dubey, Eftimieou, Fernandez, Filsiansy, Harrington, Heinreich, Johnson, Kara, Khondaker, Kokoulina, Leuenberger, , Luo, Martin, Montgomery, Mucciolo, Neighbor, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tonner,Velissaris

Faculty Emeritus: Brennan, Llewellyn

Visiting Faculty: Cooney, Ngwa, Zhmudsky

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, nanostuctures, 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: R. Handberg; PH 302; 407-823-2608;
E-mail: politics@ucf.edu
http://www.cos.ucf.edu/politicalscience


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 a 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. The Department of Political Science participates in the following programs:
Minors:
Tracks:
Degrees:

levels.

and to provide the skills needed for students to apply the concepts prepare students for graduate training in psychology or related fields, The Undergraduate Psychology Program has two primary missions; to Jenkins, Tucker

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, market-
ing research, advertising, public relations, human resources, child

Students will be better prepared for careers in any field by being

The Department of Sociology and Actuarial Science offers courses and

American Politics, International Relations
Comparative Politics, International Studies, Prelaw
Political Science, Political Science/Prelaw

the usual service approaches and the use of qualitative and quantitative methods.
The undergraduate programs in statistics and actuarial science are
designed to serve 1) students who desire to pursue careers in sta-
tistics or actuarial science after having completed a baccalaureate
degree; 2) students who desire to continue their education in graduate or

Minors:

Psychology, Behavioral Forensics Certificate

The Department of 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.

Department of Sociology
Chair: J. Corzine, PH 403B; 407-823-3744
http://sociology.ucf.edu/
Associate Chair: E. Grauerholz

Faculty: Barrett, Canan, Carter, Corzine, Dees, Dietz, Ford, Gay, Goldstein, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Marshall, Morris, Mustaine, Rivera, Sikorska-Simmons, Wright

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Department of Sociology
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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), Social Sciences Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

Department of Statistics and Actuarial Science
Chair: D. Nickerson; CCII 206; 407-823-5528
http://www.cos.ucf.edu/statistics

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

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science 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 or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science 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, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS tracks), Actuarial Science (BS)
Tracks: None
Minors: Statistics

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oecs.ucf.edu/alc/alc_students_cosci.htm
ROSEN COLLEGE OF HOSPITALITY MANAGEMENT

Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8010
http://www.hospitality.ucf.edu

Interim Associate Dean: Tadayuki Hara;
9907 Universal Boulevard, Suite 231-A; 407-903-8174

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

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Hara, Hua, Iskat, Jackson, Juge, Jung, Kaufman, Kwun, Logan, Lynch, McDowall, Millman, Muller, Murphy, Naipaul, Nusair, Okumus, Parsa, Ray, Ro, Rompf, Ross, Scantlebury, Severt D, Severt K, Smith, Terry, Tesone, Wang

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities. It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 19 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.
- American Resort Development Association (ARDA) Professorship of Vacation Ownership.
- Central Florida Hotel and Lodging Association (CFHLA) Professorship of Convention and Conference Management.

Degrees:
- Event Management (BS), Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

Tracks:
- Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management;
- Lodging Management; Hospitality Financial Management and Technology; Golf and Club Management

Minor:
- Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm
Office of Undergraduate Studies

Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
Associate Dean: Eliot Vittes; MH 210; 407-823-2691
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports all 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. The units within Undergraduate Studies are the offices of Academic Services, Experiential Learning, Faculty Center for Teaching and Learning, Interdisciplinary Studies, McNair Scholars Program, Research and Mentoring Program (RAMP) and Undergraduate Research. The Dean serves as the final appeal for all undergraduate academic appeals.

Academic Services

Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
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 goal of the office is to apply these policies fairly, promptly and evenly according to established guidelines, to provide a prompt response to requests from student, faculty, and staff and to maintain accurate and effective computer records for advisement and graduation.

Bachelor of Applied Science

Dean: Alison Morrison-Shetlar; 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.

Experiential Learning

Director: Sheri Dressler, FC - 203; 407-823-2667
http://www.coop.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. 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

Interim Director: Tace Crouse, 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 and assists with mentoring for faculty success.

McNair Scholars Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
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 methods courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies

Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Broerman, Logan, 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

Research and Mentoring Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate school. Through involvement in research projects and working with faculty mentors, 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 application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research

Director: Kimberly Schneider, CC II 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.ceas.ucf.edu/alc_studnets_us.htm
UCF DEGREE PROGRAMS

Accounting
Actuarial Science
Advertising/Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Art
Art - History Track
Art - Studio Track
Art Education
Biology
Biology - Preprofessional Concentration
Biotechnology
Business Administration
Cardiopulmonary Sciences
Chemistry
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. Track
Digital Media
Early Childhood Education
Economics
Economics, Business
Economics - Accelerated Undergraduate-Graduate Program
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Electrical Engineering Technology - A.S. to B.S.E.E.T. Concentration
Electrical Engineering Technology - Electrical Systems Concentration
Elementary Education
Engineering Technology - Design Concentration
Engineering Technology - Operations Concentration
English - Creative Writing
English Language Arts Education
English - Literature
English - Technical Communication
Environmental Engineering
Event Management
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Film - World Cinema 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 Information Management
Health Sciences - Athletic Training Track
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Humans
Humanities - Philosophy, Religion, & Popular Culture Track
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Systems Technology
Information Systems Technology - A.S. to B.S. Track
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Interpersonal/Organizational Communication
Journalism
Legal Studies
Liberal Studies (See Interdisciplinary Studies)
Management
Management Information Systems
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
Molecular Biology and Microbiology - Preprofessional Concentration
Molecular Biology and Microbiology - UCF/USF Accelerated Medical School Program
Music
Music Education
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option
Philosophy
Photography
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Radiologic Sciences
Radiologic Sciences - A.S. to B.S. Track
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
Sports and Fitness
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
ACCOUNTING (B.S.B.A.)  
College of Business Administration  
BA2 101, 407-823-2184  
http://www.bus.ucf.edu

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

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

Degree Requirements
1. UCF General Education Program (min 36 hrs)
   - Communication Foundations 9 hrs
     Preferred: SPC 1508
   - Cultural and Historical Foundations 9 hrs
   - Mathematical Foundations
     - Select MAC 1140 Pre-Calculus 3 hrs
     - Select CGS 2100C Computer Fundamentals for Business 3 hrs
   - Social Foundations
     - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
     - Select one: PSY 2012, SYG 2000, ANT 2000
   - Science Foundation 6 hrs

2. Common Program Prerequisites

Must be completed with a "C" (2.0) or better
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- ECO 2013 Macroeconomics
- ECO 2023 Microeconomics
- *ECO 3401 Quantitative Business Tools I
- CGS 2100C Computer Fundamentals for Business

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

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

3. Core Classes (36 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
     - GEB 3375 Introduction to International Business 4 hrs
     - ECO 3411 Quantitative Business Tools II 4 hrs
     - FIN 3403C Business Finance 4 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - ISM 3011C Essentials of Management Information Systems 4 hrs
     - MAR 3023 Marketing 4 hrs
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
   - Last Semester:
     - MAN 4720 Strategic Management 4 hrs

4. Special College and/or Departmental Requirements

- Must complete all Gordon Rule 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 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 a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- All students must have credit for a course in each of the following areas:
  - English communication arts including written composition
  - Oral expression
  - Behavioral science such as psychology, anthropology, and sociology
  - Humanities
  - Political environment of business and society such as political science, public administration, and ethics
- 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.

5. Required courses for major (24 hrs)
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting 3 hrs
- ACG 3361 Intermediate Managerial Accounting 3 hrs
- ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

6. Honors in the Major (6 hrs)
   - 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:
     - *ACG 4903H Directed Readings in Accounting 3 hrs
     - *ACG 4904H Honors Seminar in Accounting 3 hrs
     - ACG 4970H Honors Thesis in Accounting 3 hrs
   - With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

7. Foreign Language Requirements (0-8 hrs)
   - 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.
   - 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.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
1. UCF General Education Program (36+3 hrs)
Note: Certain courses must be selected in the GEP for the major which brings the GEP above 36

A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 7 hrs
Select MAC 2311
Select STA 2023
D. Social Foundations 6 hrs
Select ECO 2013
Select an ANT, PSY or SYG listed course
E. Science Foundations 8 hrs
Select PHY 2053C or CHM 2045C*
Select BSC 2010C

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C.

2. Common Program Prerequisites (14 hrs)

COP 3502C* Computer Science I 3 hrs
ECO 2013 Princ of Macroeconomics GEP
ECO 2023 Princ of Microeconomics 3 hrs
MAC 2311 Calculus with Analy Geo I 4 hrs
MAC 2312 Calculus with Analy Geo II 4 hrs
MAC 2313 Calculus with Analy Geo III 4 hrs

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (53 hrs)

ACG 2021 Princ Financial Accounting 3 hrs
ACG 2071 Princ Managerial Accounting 3 hrs
FIN 3403C Business Finance 3 hrs
STA 2023 Statistical Methods I GEP
6. Foreign Language Requirements (0-8 hrs)
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

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Statistics
Related Minors: Statistics, Mathematics

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 common program prerequisites if taken prior to transferring to UCF:
- COP 3502C*: any COP programming language course.
However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.

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

Suggested 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.

Summer
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- STA 4672 Actuarial Statistical Methods 3 hrs
- STA 4942 Practicum in Act Sci 3 hrs
- ENC 3241 Writing for Technical Professionals 3 hrs

Spring
- BSC 2011C* req# 3b-Core 4 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4672 Act Stat Methods 3 STA 4942 Pract in Act Sci 3 hrs

Sophomore Year

Fall
- STA 2023 Stat Methods I 3 hrs
- STA 4222* req# 4-ResElect 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4672 Act Stat Methods 3 STA 4942 Pract in Act Sci 3 hrs

Spring
- STA 4222* req# 4-ResElect 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4942 Pract in Act Sci 3 hrs

Junior Year

Fall
- STA 4222* req# 4-ResElect 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4942 Pract in Act Sci 3 hrs

Spring
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs

Senior Year

Fall
- STA 4222* req# 4-ResElect 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs

Spring
- STA 4222* req# 4-ResElect 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs
- STA 4641* req# 3c-Core 3 hrs

ADVERTISING/PUBLIC RELATIONS (B.A.)

College of Sciences
Nicholson School of Communication
COMM 250, 407-823-2852
http://communication.cos.ucf.edu/undergraduate/degrees/advertising.php
Contact: Joan McCain, E-mail: jmccain@mail.ucf.edu

Admission Requirements
- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission. Deadlines are:
  - October 1 to be admitted the next Spring term
  - February 1 to be admitted the next Summer term
- Admission is based on multiple factors, with GPA being a major component.
- Satisfactorily complete a minimum of 45 credit hours of college work.
- The GPA will be calculated based on all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants, but for previous acceptance periods, the minimum GPA did not drop below 3.4.
- Have acceptable keyboard skills.
- Receive a positive evaluation by the School.

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 approval.
- Students should consult with a departmental advisor.

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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 hours may be taken within the Nicholson School of Communication.

Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

A maximum of six credit hours of internship may be earned in one semester. A total of nine credit hours of internship may be earned within the 120 credit hour requirements for graduation.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

A. Communication Foundations
Select ENC 1101 or ENC 1102 6 hrs
Select SPC 1608 3 hrs
B. Cultural and Historical Foundations
Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
Select STA 2014C 3 hrs
C. Mathematical Foundations
Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
D. Social Foundations
Select ECO 2013 or ECO 2023 3 hrs
Select ANT 2000, PSY 2012, or SYG 2000 3 hrs
E. Science Foundations
Selective ENR 1000 6 hrs
F. Social Foundations (0 hrs)
SPC 1608 Fund Oral Communication GEP
Select one course
ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (27 hrs)
a. Complete before applying to the program
SPC 1608 Fund Oral Communication CPP
ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics CPP
ADV 3008 Principles of Advertising 3 hrs
PUR 4000 Public Relations 3 hrs
STA 2014C Principles of Statistics GEP
b. Taken once admitted into the program
ADV 4101 Advertising Copywriting 3 hrs
COM 3110 Business and Prof Communication 3 hrs
COM 3511 Communication Research Methods 3 hrs
MMC 4411 Ad/PR Campaigns 3 hrs
MMC 3200 Mass Communication Law 3 hrs
PUR 3100 Writing for Public Relations 3 hrs
Select one
PUR 4941 Internship
ADV 4941 Internship

4. School 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.
Computer Competency met by CGS 1060C, STA 2014C or departmental assessment.
Before applying to graduate, the CLAST must be completely satisfied.

5. Foreign Language Requirements (0-8 hrs)
Admission: 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.

6. External Restricted Electives (variable)
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.

7. University Minimum Exit Requirements
A. 2.0 UCF GPA
B. 60 semester hours earned after CLEP awarded
C. 48 semester hours of upper division credit completed
D. 30 of the last 36 hours of course work must be completed in residency at UCF
E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Marketing, Psychology
Related Minors: Business, Psychology
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.

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

Equipment Fee
Full-time Student ...........................................$44 per term
Part-time Student ...........................................$22 per term

Suggested 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
ENR 1101 Composition I 3
MGF 1106 or MGF 1107 3
Elective* Check restrictions
Lang/Elect
Spring
ENR 1102 Composition II 3
STA 2014C Principles of Statistics 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Sophomore Year
Fall
GEP 3
GEP 3
GEP 3
ECO 2013 or ECO 2023 3
SPC 1608 Fund Oral 3
PUR 4000 Public Relations 3
Application See catalog 0
Spring
Senior Year
Fall
Senior Year
Fall
Restrict Elect 3
COM 3110 Bus Prof Com 3
Restrict Elect 3
COM 3111 Com Res Methods 3
Restrict Elect 3
MMC 3200 Mass Com Law 3
Restrict Elect 3
Restrict Elect 3
PUR 4941 or ADV 4941 3
Graduation Review 0
Restrict Elect 3
Restrict Elect 3
Restrict Elect 3

Senior Year
Fall
Avd 4101 Ad Copywriting 3
PUR 3100 Wr for Pub Reltn 3
Graduation Review 0
Senior Year
Fall
 restrict elect 3
MMC 4411 Ad/PR campaigns 3
PUR 4941 or ADV 4941 3
Restrict Elect 3
Restrict Elect 3
AEROSPACE ENGINEERING (B.S.A.E.)

College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax 407-823-0208
http://www.mae.ucf.edu

Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu;
Undergraduate Advisor: Waheeda Illasarie; E-mail: willasar@mail.ucf.edu

Admission Requirements:
Type: none

1. UCF General Education Program for (36+2 hrs)

Engineering Students

The UCF General Education Program (GEP) is described in the section on General Education Program, found elsewhere in the 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
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1603

B. Cultural and Historical Foundations
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
   1. Select MAC 2311 (PR: MAC 1140 and MAC 1141)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations
   1. Take Select PHY 2049/49L (PR: MAC 2311)
   2. ANR 2000, PSY 2012, or SYG 2000

E. Science Foundations
   1. Take Select PHY 2049/49L (PR: MAC 2311)
   2. ANR 2111, BSC 1005, BSC 1020, GGL 1000, GEO 1200, or MCB 1100

2. Common Program Prerequisites (CPP’s) (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 MAAE major courses, 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).

Note: MAC 2311 and PHY 2048/49L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Social Sciences courses.

CHS 1440* Fundamentals of Chemistry for Eng 4 hrs
   (CHM 2045C/45L will substitute)
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 2048/49L* Physics for Engineers & Scientists I GEP
PHY 2049/49RL Physics for Engineers & Scientists II 4 hrs
ENC 1101* Composition I GEP
ENC 1102 Composition II GEP

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

3. Career and Academic advisement

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.

EAS 3530  Space Systems Concepts 3 hrs
EAS 4210  Flight Structures 3 hrs
EAS 4210  Space Structural Design 3 hrs

4. Courses Required for the Major (56 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 technical elective courses listed in 4. below and with the senior design courses listed in 6. below.

Independent study courses generally do not satisfy major requirements.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs

EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EAM 3706 Structure & Properties of Aerospace Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP
EAS 3010 Fundamentals of Aerospace Flight 3 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3100C 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 3530 Space Systems Concepts 3 hrs
EGM 4413C Interdisciplinary Design II or EAS 4413C Interdisciplinary Design II 3 hrs

5. Approved Technical 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. Departmental Graduation 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.

EAS 4700C Aerospace Design I 3 hrs
EGM 4413C Interdisciplinary Design I 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

A 2.0 UCF GPA.

60 semester hours earned after any CLEP award.

48 semester hours of upper division credit completed.

30 of the last 36 hours of course work must be completed in residency at UCF.

25% of course work must be completed in residency at UCF

A 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 CLAST, and the nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering.

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 freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

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
Full-time Student ........................................ $90 per term
Part-time Student ......................................... $45 per term

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.

Aerospace Engineering - 128 semester hours required

FIRST YEAR

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall 12 hrs</th>
<th>Spring 15 hrs</th>
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<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
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<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>EGN 1007C: Eng Conc/Meth</td>
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<tr>
<td>*CHS 1440 Chem for Eng</td>
<td>4</td>
<td>ENC 1102 Eng Comp II</td>
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<td>or CHM 2045C w/lab</td>
<td></td>
<td></td>
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<tr>
<td>*MAC 2311 Calculus I</td>
<td>4</td>
<td>PHY 2048 Phys EngSci I w/lab</td>
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<tr>
<td>or MAC 2312 Calculus II</td>
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<td></td>
</tr>
<tr>
<td>EGN 106C Intro to Eng Prof</td>
<td>1</td>
<td>*SPE 1603 Tech Presentations</td>
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<tr>
<td>Summer</td>
<td>10 hrs</td>
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</tr>
<tr>
<td>*MAC 2313 Calculus III</td>
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<td></td>
</tr>
<tr>
<td>EMA 3706 Struct &amp; Prop of Aerospace Mat'</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Social Foundations</td>
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</tr>
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</table>

SECOND YEAR

<table>
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<th>Term</th>
<th>Fall 13 hrs</th>
<th>Spring 12 hrs</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STA 3032 Prob &amp; Stats/Engrs</td>
<td>3</td>
<td>EGN 3373 Prin Elec Eng</td>
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<tr>
<td>*MAP 2002 Diff Equations</td>
<td>3</td>
<td>EGN 3321 Engr Anal-Dynamics</td>
</tr>
<tr>
<td>*PHY 2049 Phys Eng II w/lab</td>
<td>4</td>
<td>EGN 3343 Thermodynamics</td>
</tr>
<tr>
<td>EGN 3310 Engr Anal - Statics</td>
<td>3</td>
<td>EGM 3601 Solid Mechanics</td>
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<tr>
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THIRD YEAR

<table>
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<tr>
<th>Term</th>
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<th>Spring 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
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<tr>
<td>EML 3034C Model Meth's MMEA</td>
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<td>EAS 3101 Fund of Aerodyn</td>
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<tr>
<td>EAS 3010 Fund of AE Flight</td>
<td>3</td>
<td>EAS 3810C Dsgn AE Exp</td>
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<td>EAS 3800C Aeroesp Eng Msr</td>
<td>3</td>
<td>EAS 4210 Space Struct Dyn</td>
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<td>Science Foundation</td>
<td>3</td>
<td>EAS 4505 Orbital Mechns</td>
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<td>EAS 4200 Flight Structures</td>
<td>3</td>
<td>or EAS 3530 Space Sys Concepts</td>
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<td>EAS 3990 AE Career/Acad Adv I</td>
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<td>Approved technical elective</td>
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<td>FOURTH YEAR</td>
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<td>EML 4312 Feedback Control</td>
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<td>EAS 4300 Aerotherm Prop Sys</td>
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<td>EAS 4105 Flight Mechanics</td>
<td>3</td>
<td>EAS 4710C Aeroesp Design II</td>
</tr>
<tr>
<td>EAS 4134 High-Spd Aerodyn</td>
<td>3</td>
<td>or EGN 4413C Interdiscipl Design II</td>
</tr>
<tr>
<td>EAS 4700C Aeroesp Design I</td>
<td>3</td>
<td>Cultural Foundations</td>
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<tr>
<td>or EGN 4412C Interdiscipl Design I</td>
<td></td>
<td>Approved technical elective</td>
</tr>
<tr>
<td>or EGN 4901 AE Career/Acad Adv II</td>
<td></td>
<td>Approved technical elective</td>
</tr>
</tbody>
</table>

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the UCF General Education Program elsewhere in the Catalog for further information.
2. Students should view the MMEA Web site (http://www.mmae.ucf.edu) or consult with the MMEA Department in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with MMEA Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
3. The State University System requires most students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in the Catalog.
4. Aerospace engineering students must earn at least 32 hours in residence at UCF.

Important Notice:
- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take courses as listed may result in a delay in the date of your graduation.
- If you are not ready to begin the calculus sequence upon entry to the Aerospace Engineering curriculum, it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department 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 the Catalog for more information.

ANTHROPOLOGY (B.A.)

College of Sciences
Department of Anthropology, PH 309, 407-823-2227
http://www.cos.ucf.edu/anthropology
E-mail: ezorn@mail.ucf.edu
Contact: Elayne Zorn; 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 on-going archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements: none

Degree Requirements

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - B. Cultural and Historical Foundations
     - C. Mathematical Foundations
   - 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
   - 2. Select from GEP C.2 list 3 hrs
   - D. Social Foundations
     - 1. Select a listed course 3 hrs
     - 2. Select ANT 2000 3 hrs
   - E. Science Foundations
     - 1. Select a listed course 3 hrs
     - 2. Select ANT 2511 3 hrs

2. Common Program Prerequisites (0 hrs)
   - ANT 2000* General Anthropology
   - ANT 2511* The Human Species
   *See Transfer Notes for possible substitutes

3. Core Requirements: Lower Level (6 hrs)
   - ANT 3145 Archaeology of Complex Societies
   - ANT 3640 Language and Culture
   - ANT 4034 History of Anthropological Thought
   - ANT 4586 Human Origins

4. Core Requirements: Upper Level (12 hrs)
   - All students are required to take the following upper level courses in the four subdisciplines of Anthropology:
     - ANT 3145 Archaeology of Complex Societies
     - ANT 3640 Language and Culture
     - ANT 4034 History of Anthropological Thought
     - ANT 4586 Human Origins

5. Area Study (3 hrs)
   - All students are required to take one of the following courses:
     - ANT 3158 Florida Archaeology
     - ANT 3160 Pre-Contact Americas
     - ANT 3161 Archaeology of Mexico
     - ANT 3163 Mesoamerican Archaeology
     - ANT 3164 Ancient Incas
     - ANT 3165 Archaeology of South America
     - ANT 3168 Maya Archaeology (or ANG 6168)
     - ANT 3311 Indians of the SE US
     - ANT 3312 Ethnology of North American Indians
### UCF Degree Programs

**ANT 3313** Indians of N American High Plains  
**ANT 3314** Indians of the Northeast Woodlands  
**ANT 3318** Indians of the Northwest Coast  
**ANT 3319** The Anthropology of Diaspora  
**ANT 3320** Indians of the Southwest  
**ANT 4332** Peoples and Culture of Latin America (or ANG 5307)  
**ANT 4340** Caribbean Cultures (or ANG 5341)  
**ANT 3344** Puerto Rican Culture  
**ANT 3358** Life and Death in Ancient Egypt  
**ANT 3362** Peoples of Southeast Asia  
**ANT 3363** Anthropology of Japan  
**ANT 4144** Prehistory of North America  
**ANT 4153** North American Archaeology  
**ANT 4308** Gender Issues in Latin America  
**ANT 4352** African Societies and Cultures  
**ANT 4354** Postcolonial Africa  

6. **Restricted Electives** (18 hrs)

Six other Anthropology courses must be taken to complete the major. These may include other area study courses (see 5. above) or any other Anthropology courses that may be offered (see below).

- **ANT 3106** Archaeology and Popular Culture  
- **ANT 3115** Archaeological Method and Theory  
- **ANT 3142** Old World Prehistory  
- **ANT 3173** Archaeology of Sex  
- **ANT 3177** Archaeology of Caribbean Piracy  
- **ANT 3212** Peoples of the World  
- **ANT 3241** Magic, Ritual, and Belief  
- **ANT 3245** Native American Religions  
- **ANT 3262** Rural Society  
- **ANT 3273** Law and Culture  
- **ANT 3302** Sex, Gender, and Culture  
- **ANT 3316** Black/Semiole Relationships  
- **ANT 3330** Cultural Ecology of Amazonia  
- **ANT 3333** American Indian Literature and Culture in Florida  
- **ANT 3450** Living in the USA. Anthropological Perspectives  
- **ANT 3541** Biobehavioral Anthropology  
- **ANT 3550** Primatology  
- **ANT 3701** Applied Anthropology  
- **ANT 3949** Cooperative Education in Anthropology  
- **ANT 4013** Anthropological Perspectives on Fast Food  
- **ANT 4101** Archaeological Sciences (or ANG 5100)  
- **ANT 4180C** Seminar in Laboratory Analysis  
- **ANT 4184** Mortuary Archaeology (or ANG 5741)  
- **ANT 4266** Economic Anthropology  
- **ANT 4308** Gender Issues in Latin America  
- **ANT 4348** Anthropology of Tourism (or ANG 5437)  
- **ANT 4462** Medical Anthropology  
- **ANT 4467** Nutritional Anthropology (or ANG 5467)  
- **ANT 4408** Culture, Disease, and Healing  
- **ANT 4516** Human Biological Diversity  
- **ANT 4521C** Forensic Anthropology  
- **ANT 4525C** Human Osteology  
- **ANT 4528C** Advanced Forensic Anthropology  
- **ANT 4560** Anthropological Perspectives on Human Growth  
- **ANT 4700** Culture, Power, and Development (or ANG 5272)  
- **ANT 4802** Ethnographic Field Methods  
- **ANT 4824** Advanced Archaeological Field Work  
- **ANG 5165** Maya Field Research  
- **ANG 5166** Problems of Maya Studies  
- **ANG 5167** Maya Hieroglyphs  
- **ANG 5228** Maya Iconography  
- **ANG 5622** Language, Culture, and Pedagogy  
- **ANG 5742** Problems in Forensic Anthropology

7. **Departmental Exit Requirements**

- A grade of “C” (2.0) or better in all courses used for the major  
- Computer Competency met by ANT 2100  
- Students will be required to take a standard exit exam.  
- Before applying to graduate, the CLAST must be completely satisfied.

8. **Foreign Language Requirements** (0-8 hrs)

**Admission:** Met by graduation requirement.

**Graduation:** Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

9. **Electives** (variable)

Select primarily from upper level courses, with departmental advisor’s approval. These courses may be outside of the department.

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**10. University Minimum Exit Requirements**

- A “C” (2.0) GPA in all work attempted (both UCF and overall)  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 36 hours of course work must be completed in residency at UCF  
- A 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 CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**: 120 hrs

**Related Programs**: Graduate Certificate in Maya Studies  
**Related Minors**: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Judaic Studies, Latin American, Caribbean, and Latino Studies, Russian Area Studies, Sociology, and Women’s Studies

**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 common program prerequisites if taken prior to transferring to UCF**:  
- **ANT 2000**: any ANT course. However, this course is a prerequisite and must be taken regardless.  
- **ANT 2511**: any ANT course. However, **ANT 2511** will need to be taken for the major.

**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](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

**Suggested Plan of Study**

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by electives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 General Anthro</td>
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<tr>
<td>ENC 1101 Composition I</td>
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</tr>
<tr>
<td>EUH 2000* req# 1B2-GEP</td>
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<tr>
<td>MGF 110x* req# 1C1-GEP</td>
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<td>COM 100x* req# 1A3-GEP</td>
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**Sophomore Year**

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</tr>
<tr>
<td>ANT 210x Arch the of</td>
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</tr>
<tr>
<td>ANT 2410 Arch of Cmplx Soc</td>
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<tr>
<td>SPN 1120C* req# Lang/Elect</td>
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<tr>
<td>SPN 1121C* req# Lang/Elect</td>
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**Junior Year**

<table>
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<td>ANT 3145 Arch of Cmplx Soc</td>
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<tr>
<td>ANT 3142* req# 6-ResElect</td>
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**Senior Year**

<table>
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**APPLIED SCIENCE (B.A.S.)**

A.S. to B.A.S.

**Note:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.
ART (B.F.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/
Contact: J. Chavda; 407-823-2676

The BFA degree is recommended for studio art majors who plan to attend graduate school.

Note: Although the department maintains a small computer lab for student use, Graphic Design majors must have continual access to a laptop computer. Contact the department for the minimum hardware and software specifications.

The Art Department 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 Department 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 (except Animation and Graphic Design students) 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.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall. The portfolio application deadline is the first week of March for Fall admission.
- Animation students must successfully complete an Animation Portfolio Review to be admitted to this restricted access program. The Animation Portfolio Review submission deadline is March 15 for admission in the following Fall semester, and October 15 for admission in the following Spring semester.
- Animation applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA program.
- Students must maintain an overall minimum 3.0 GPA in ART 2201C and ART 2300C, to qualify for the Animation BFA program.

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

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Select a course from group B.1 3 hrs
      Select ARH 2050 3 hrs
      Select ART 2051 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 or L107 (may substitute a higher level math) 3 hrs
      Prefer STA 1000C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (18 hrs)
   ART 2201C Design Fundamentals 2-D 3 hrs
   - ART 2203C* Design Fundamentals 3-D 3 hrs
   ART 2300C* Drawing Fundamentals I 3 hrs
   ART 2301C* Drawing Fundamentals II 3 hrs
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   GRA 2101C* Intro to Computer Art 3 hrs
   Any ART prefix, studio, or media courses at the 2000-4000 levels 3 hrs

   *See Transfer Notes for possible substitutes

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (6 hrs)
   ART 2820* Art as Interface 3 hrs
   ARH 2500* Survey of Non-Western Art 3 hrs
   ART 3950 Portfolio Review 0 hrs

4. 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)
      Animation (ART 3643C, FIL 3720C, FIL 3734C, FIL 3041, FIL 4735C, FIL 4750C*)
      Ceramics (ART 3760C, ART 3764C, ART 4783C*)
      Drawing (ART 3332C, ART 4320C*)
      Drawing/Printmaking Combination (ART 3332C, ART 4320C*, ART 3433C, ART 4402C*)
      Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C*, GRA 4454C*)
      Graphic Design (GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 4197C*, GRA 4802C)
      Painting (ART 3504C, ART 4505C*)
      Photography (PGY 3410C, PGY 4420C*, PGY 4440C)
      Sculpture (ART 4710C*)
      "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.
      Animation, Ceramics, Drawing, Graphic Design, 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, Humanities, and Social Science.
      or
      For Animation specialization:
      Any two upper level Art History or Film History courses 6 hrs
      & ART 4971 Thesis 3 hrs
      (A maximum of six hours of Independent Study, Practicum, and Internship are permitted.)
### UCF Degree Programs

<table>
<thead>
<tr>
<th>5. Departmental Exit Requirements</th>
<th>(3 hrs)</th>
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<tbody>
<tr>
<td>ART 4935 BFA Exhibit/Seminar required, except for Graphic Design specialization</td>
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</tbody>
</table>

(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

<table>
<thead>
<tr>
<th>6. Foreign Language Requirements</th>
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<tr>
<td>Admission: Met by graduation requirement</td>
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</table>

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.

<table>
<thead>
<tr>
<th>7. Electives</th>
<th>(variable)</th>
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</thead>
<tbody>
<tr>
<td>Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.</td>
<td></td>
</tr>
</tbody>
</table>

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 60 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
120 hrs

### Related Programs:
- Art History, Studio Art (BA), Art Education
- Related Minors: Partners in Visual Art Education

### Equipment Fee
- Full-time Student: $63 per term
- Part-time Student: $31.50 per term

### Suggested 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

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>ARH 2050 His of West Art I</td>
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<td>ENC 1101 Composition I</td>
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</tr>
<tr>
<td>HUM 2210* req* 1B1-GEF</td>
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<td>MGF 1106* req* 1C1-GEF</td>
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<tr>
<td>ART 2820 Art as Interface</td>
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<table>
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<tr>
<th>Sophomore Year</th>
<th>Fall</th>
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<tbody>
<tr>
<td>COM 1000* req* 1A3-GEF</td>
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<tr>
<td>POS 2041* req* 1D1-GEF</td>
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<td>ART 2203C Design Fund 3 D</td>
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<tr>
<td>ART 2300C Drawing Fund I</td>
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<tr>
<td>GRA 2101C Intro to Comp Art</td>
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<tr>
<td>ENC 1102 Composition II</td>
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<td>STA 1060C Stat Using Excel</td>
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<td>ART 2201C Design Fundamentals 2-D</td>
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### Senior Year

<table>
<thead>
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<tbody>
<tr>
<td>GRA 4154C* req* 4a. Spec</td>
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<tr>
<td>ART 2754C* req* 4b. ResEl</td>
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<tr>
<td>PGY 2401C* req* 4b. ResEl</td>
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<tr>
<td>ART 4450* req* 4c. ResEl</td>
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</tbody>
</table>

### ART - HISTORY TRACK (B.A.)

**College of Arts and Humanities**

**Art Department, VAB 117, 407-823-2676**

http://www.art.ucf.edu/

**Contact:** M. Zaho, 407-823-2676

The Art Department 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 Department 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 departmental art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000–4000 level courses taken from the UCF Department of Art. 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 (36 hrs)

- **A. Communication Foundations** 9 hrs
- **B. Cultural and Historical Foundations**
  - Prefer a course from group B 1. 3 hrs
  - Select ARH 2050 History of Western Art I 3 hrs
  - Select ARH 2051 History of Western Art II 3 hrs
- **C. Mathematical Foundations**
  - Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
  - Prefer STA 1060C Statistics Using Excel 3 hrs
- **D. Social Foundations** 6 hrs
- **E. Science Foundations** 6 hrs

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

- **ART 2201C** Design Fundamentals 2-D 3 hrs
- **ART 2300C** Drawing Fundamentals I 3 hrs
- **ART 2050** History of Western Art I 3 hrs
- **ART 2051** History of Western Art II 3 hrs

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

#### 3. Core Requirements (18 hrs)

- **ART 2500** Survey Non-Western Art 3 hrs
- **ART 4310** Italian Renaissance Art 3 hrs
- **ART 4430** Nineteenth Century Art 3 hrs
- **ART 4450** Twentieth Century Art 3 hrs
- **ART 4800** Theory and Criticism of Visual Arts 3 hrs
- **ENC 3311** Advanced Expository Writing 3 hrs

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

- **a. One Non-Western Art History Course:** 3 hrs
- **ARTH 3520** African Art 3 hrs
- **ARTH 4545** Art of India 3 hrs
- **ARTH 4655** MesoAmerican Art 3 hrs

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b. One of the following courses:  
ARH 4200  Medieval Art  
ARH 4360  Baroque Art  
ARH 4130  Greek Art and Architecture  

Select 18 additional hours from following:  

ARH 3710  History of Photography I  
ARH 3711  History of Photography II  
ARH 3720  History of Prints  
ARH 4350  Baroque Art  
ARH 4655  MesoAmerican Art  
ARH 4892  Women in Art  
ARH 5897  Adv. Seminar in Art History  
ARH 4150  Roman Art and Architecture  
ARH 4200  Medieval Art  
ARH 4352  Italian Baroque Art  
ARH 3728  History of Illustration  

5. Departmental Exit Requirements  
Achieve at least a “C” GPA (2.0) in courses within the major  
Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

6. Foreign Language Requirements  
(0-11 hrs)  
Admission: 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.

7. Electives  
(variable)  
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.  
A maximum of six hours of Independent Study, Practicum, and Internship are permitted.

8. University Minimum Exit Requirements  
A 2.0 UCF GPA  
60 semester hours earned after CLEP awarded  
48 semester hours of upper division credit completed  
30 of the last 36 hours of course work must be completed in residency at UCF  
A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

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

Equipment Fee  
Full-time Student $63 per term  
Part-time Student $31.50 per term

Suggested 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  
ARH 2050  His of West Art I  3  
EN 1101  Composition I  3  
HUM 2210*  req# IB1-ART  3  
MGF 1100*  req# 1C1-ART  3

Spring  
ARH 2051  His of West Art II  3  
EN 1102  Composition II  3  
STA 1060C  Stat Using Excel  3  
Elective* Check restrictions  3

Sophomore Year  
Fall  
COM 1000*  req# 1A3-ART  3  
POS 2041  req# 1D1-ART  3  
ART 2201C Design Fund II  2  
ART 2300C Drawing Fund I  3  
ENC 3311  Adv Exp Writing  3

Spring  
ART 2000  req# 1D2-ART  3  
BSC 1000  req# 1E2-ART  3  
CHM 1020*  req# 1E1-ART  3  
ARH 4545*  req# 4a-ResEl  3  
SPN 1120C  req# Lang/Elect  3

Junior Year  
Fall  
ART 4310  Italian Renaiss Art  3  
ART 4450  20th Century Art  3  
ART 3710*  req# 4c-ResEl  3  
ART 4655*  req# 4c-ResEl  3  
SPN 1120C*  req# Lang/Elect  3

Spring  
ART 4350*  req# 4b-ResEl  3  
ART 4XXX  3  
ART 3711*  req# 4c-ResEl  3  
Elective* Check restrictions  3  
Elective* Check restrictions  3

Senior Year  
Fall  
ART 4350*  req# 4b-ResEl  3  
ART 4XXX  3  
Elective* Check restrictions  3  
Elective* Check restrictions  3  
Elective* Check restrictions  3

Spring  
ART 4350*  req# 4b-ResEl  3  
ART 4XXX  3  
Elective* Check restrictions  3  
Elective* Check restrictions  3  
Elective* Check restrictions  3

ART - STUDIO TRACK (B.A.)  
College of Arts and Humanities  
Art Department, VAB 117, 407-823-2676  
http://www.art.ucf.edu/  
Contact: J. Chavda, 407-823-2676

Note: Although the department maintains a small computer lab for student use, Graphic Design and Animation majors must have continual access to a laptop computer. Contact the department for the minimum hardware and software specifications.

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degree Requirements  
All junior level students in this program (except Graphic Design and Animation students) 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.

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 departmental advisor in their specialization.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. 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  (36 hrs)  
A. Communication Foundations  9 hrs  
B. Cultural and Historical Foundations  
Select a course from group B.1  3 hrs  
Select ARH 2050 The History of Western Art I  3 hrs  
Select ARH 2051 The History of Western Art II  3 hrs  
Select a course from either group B.1 or B.2  3 hrs  
C. Mathematical Foundations  
Prefer MGF 1106 Finite Mathematics or MGF 1107  3 hrs  
(may substitute a higher level math)  3 hrs  
Prefer STA 1060C Statistics Using Excel  3 hrs  
D. Social Foundations  6 hrs  
E. Science Foundations  6 hrs

2. Common Program Prerequisites  (18 hrs)  
ART 2201C  Design Fundamentals 2-D  3 hrs  
ART 2203C*  Design Fundamentals 3-D  3 hrs  
ART 2300C  Drawing Fundamentals I  3 hrs  
ART 2301C  Drawing Fundamentals II  3 hrs  
ART 2050  The History of Western Art I  3 hrs  
ARH 2051  The History of Western Art II  3 hrs  
GRA 2101C*  Intro to Computer Art  3 hrs  
ART 2XXX-4XXX any ART prefix, studio or media course  3 hrs
**UCF Degree Programs**

*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core (6 hrs)
   - ART 2820 Art As Interface 3 hrs
   - ARH 2500 History of Non-Western Art 3 hrs
   - ART 3950 Portfolio Review 0 hrs

4. Restricted Electives (27 hrs)
   - **Specialization:**
   - Select nine upper division courses from at least three areas:
     - Art History (any upper level ARH courses)
     - Ceramics (ART 3760C, ART 4783C)
     - Drawing and Printmaking (ART 3322C, ART 3433C, ART 4320C, ART 4402C)
     - Illustration (GRA 2151C, GRA 4254C)
     - Painting (ART 3504C, ART 4505C)
     - Photography (PGY 2401C, PGY 4420C*, PGY 4440C)
     - Sculpture (ART 2701C, ART 4710C)
     - Type & Design (GRA 3113C)
   - *May be repeated for credit

5. Departmental Exit Requirement
   - Achieve at least a “C” GPA (2.0) overall in courses within the major
   - Computer Competency met by STA 1060C or GRA 2101C

6. Foreign Language Requirements (0-8 hrs)
   - Admission: 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.

7. Electives (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.
   - (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, or credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

**Related Programs:** Art History, Studio Art (BFA), Art Education
**Related Minors:** Partners in Visual Art Education, Digital Media

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites 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

**Program Academic Learning Compacts**

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

**Equipment Fee**
- Full-time Student: $63 per term
- Part-time Student: $31.50 per term

**Suggested 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
  - ARH 2500 History of West Art I 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1106 req# 1C1-GEPS 3 hrs
  - ART 2820 Art as Interface 3 hrs

- Spring
  - ARH 2500 History of West Art II 3 hrs
  - ENC 1102 Composition II 3 hrs
  - STA 1060C Stat Using Excel 3 hrs
  - ART 2820 Art as Interface 3 hrs

**Sophomore Year**
- Fall
  - COM 1000* req# 1AG-GEPS 3 hrs
  - POS 2041* req# 1DI-GEPS 3 hrs
  - ART 2203C Design Fund 3 D 3 hrs
  - ARH 2500 History of West Art IV 3 hrs

- Spring
  - COM 1000* req# 1AG-GEPS 3 hrs
  - POS 2041* req# 1DI-GEPS 3 hrs
  - ART 2203C Design Fund 3 D 3 hrs
  - ARH 2500 History of West Art IV 3 hrs

**Junior Year**
- Fall
  - ART 3322C* req# 4-ResElect 3 hrs
  - ART 3161* req# 2-CPP 3 hrs
  - Elective Check restrictions 3 Elective Check restrictions 3
  - Elective Check restrictions 3 Elective Check restrictions 3
  - SPN 1120C req# Lang/Elect 3 hrs

- Spring
  - ART 3322C* req# 4-ResElect 3 hrs
  - ART 3161* req# 2-CPP 3 hrs
  - Elective Check restrictions 3 Elective Check restrictions 3
  - Elective Check restrictions 3 Elective Check restrictions 3
  - SPN 1120C req# Lang/Elect 4 hrs

**Senior Year**
- Fall
  - ARH 4350* req# 4-ResElect 3 hrs
  - ART 4320C* req# 4-ResElect 3 hrs
  - Elective Check restrictions 3 Elective Check restrictions 3
  - Elective Check restrictions 3 Elective Check restrictions 3

- Spring
  - ARH 4350* req# 4-ResElect 3 hrs
  - ART 4320C* req# 4-ResElect 3 hrs
  - Elective Check restrictions 3 Elective Check restrictions 3
  - Elective Check restrictions 3 Elective Check restrictions 3

**ART EDUCATION (B.S.)**

**College of Education**
**Department of Teaching and Learning Principles, ED 209**
[http://education.ucf.edu/arted](http://education.ucf.edu/arted)
**Program Coordinator:** Dr. Thomas Brewer, ED 122-U, 407-823-3714, E-mail: tbrewer@mail.ucf.edu

**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 and/or CLAST examination (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** (36 hrs)
   - **A. Communication Foundation** (9 hrs)
     - 1. ENC 1101 Composition I 3 hrs
     - 2. ENC 1102 Composition II 3 hrs
     - 3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - **B. Cultural-Historical Foundation** (9 hrs)
     - 1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
     - 2. Select: ARH 2500 History of Western Art I (A grade of “C-” (1.75) or better is required in ARH 2500) 3 hrs
   - **C. Mathematical Foundation** (6 hrs)
     - 1. Prefer: MGF 1108 Finite Mathematics or MGF 1107 3 hrs
     - 2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2041C Principles of Statistics 3 hrs
   - **D. Social Foundation** (6 hrs)
     - 1. Prefer: POS 2041 American National Government 3 hrs
     - 2. Prefer: PSY 2012 General Psychology 3 hrs
12. Total Program Semester Hours Required 126 hrs

Consult with your Education advisor and review your degree audit for more recent information.

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

13. Recommended Four Year Sequence of Course

The program of study will be affected by course offerings and availability. Please see the Art Education Web site at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year

Fall 15 hrs  Spring 12 hrs
EDF 2005 Intro to the Teaching Prof 3
ENC 1101 English Composition I 3
ENC 1102 English Composition II 3
EDG 4410 Teaching Strategies and Classroom Management 3
MGF 1106 Finite Mathematics 3
ART 2300C Drawing Fundamentals I 3
RED 4043 Content Reading K-12 3

Sophomore Year

Fall 12 hrs  Spring 15 hrs
ARH 2050 The History of Western Art I 3
MGF 1106 Finite Mathematics 3
ENC 1102 English Composition II 3
EDF 4467 Learning Theory and Assessment 3
EDG 4410 Teaching Strategies and Classroom Management 3
RED 4043 Content Reading Kindergarten through Grade 12 3
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3

Junior Year

Fall 15 hrs  Spring 15 hrs
ARE 2400C Printmaking 3
ARA 2500C Painting 3
ART 2500C Ceramics 3
ARE 4356 Teach Art Apprec & Critic 3
AER 4250 Art for Exceptionalities 3

Summer 6 hrs
PGY 2401C Photography 3

Senior Year

Fall 12 hrs  Spring 15 hrs
ARE 4356 Teach Art Apprec & Critic 3
ART 2301C Drawing Fund II 3
ARE 2500C Painting 3
EDF 4467 Learning Theory & Assessment 3
EDG 4410 Teaching Strategies and Classroom Management 3
RED 4043 Content Reading K-12 3
TSL 4080 Theory & Pract of Teach ESOL Students in Schools 3

Summer 6 hrs
ART 2500C Ceramics 3
PGY 2401C Photography 3

Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)
Biology (B.S.)
College of Sciences
Biology Department, BL 301, 407-823-2141
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Loguidice, 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.

College of Sciences
ARE 3940 Internship I 3
(Any ARE/ARH/ART/PGY 3/4XXX with Advisor approval)
ARE 3940 Internship I 3

Senior Year

UCF Degree Programs
1. Select ENC 1101
   A. Communication Foundations
   GEP hours to more than 36.)
   (Core Requirements) are usually completed in the first 60 hours.

2. Select CHM 2045C
   E. Science Foundations
   4 hrs
   2. Select BSC 2010C
   4 hrs
   1. Select ENC 1101 and ENC 1102
   6 hrs
   2. Prefer SPC 1603
   3 hrs

3. Core requirements
   Select one Chemistry sequence
   CHM 2210  Organic Chem. I and
   CHM 2211L  Organic Chem. II & Lab
   or
   CHM 3120&L  Analytical Chemistry & Lab and
   CHM 2205  Intro Organic & Biochemistry
   PCB 3044  Principles of Ecology
   PCB 3063  Genetics
   PCB 3023  Molecular Cell Biology
   PCB 4683  Evolutionary Biology
   (Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to check their departmental advisor.)

4. Upper Division Restricted Electives
   (22 hrs)
   Courses must be selected from the groupings listed below.
   Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
   At least three credits 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 designated with an asterisk (*).
   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.

4.1 Form/Function (minimum of one lecture course)
   BCH 4053  Biochemistry I
   BCH 4054  Biochemistry II
   b  BOT 4223C*  Plant Anatomy
   b  BOT 4303C*  Plant Kingdom
   b  BOT 4503*  Plant Physiology
   b  BSC 4101*  History of Biology
   a  CHM 4454*  Research in Animal Physiology
   PCB 3024*L  Molecular Cell Biology Laboratory
   PCB 3063*L  Genetics Laboratory
   PCB 3233  Immunology
   PCB 3703C  Human Physiology
   PCB 4514*  Genetics II
   PCB 4524  Molecular Biology II
   PCB 4683*L  Evolutionary Biology Lab
   a  PCB 4723*  Animal Physiology
   PCB 5565C*  Human Genetics
   PCB 5935*  Population Genetics
   a  PCB 3715C*  Comparative Vertebrate Anatomy
   a  ZOO 3733C  Human Anatomy
   a  ZOO 4603C*  Embryology/Development
   a  ZOO 4753C  Vertebrate Histology

4.2 Environmental (minimum of one lecture course)
   b  BOT 3018C*  Culinary Ethnobotany
   b  BOT 3152C*  Local Flora
   b  BOT 3800*  Ethnobotany
   b  BOT 4156C*  Florida Wildflowers
   b  BOT 4688C*  Conserv. & Mgt. of Native Plants
   BSC 5937*  Marine Biology
   BSC 5312C*  Tropical Marine Biology
   a  BSC 5821*  Biogeography
   a  PAZ 5253*  Zoo & Aquarium Mgt.
   PCB 3044*L  Ecology Laboratory
   PCB 3304C*  River Ecology
   PCB 3355C*  Tropical Marine Biology
   PCB 3442*  Florida Aquatic Ecology
   PCB 5326C*  Ecosystems of Florida
   PCB 5435C*  Marine Ecology of Florida
   PCB 5485*  Models in Ecology
   a  ZOO 4513*  Animal Behavior
   ZOO 5520*  Behavioral Ecology

4.3 Systematic (minimum of one lecture course)
   b  BOT 4713C*  Plant Taxonomy
   b  BOT 5485C*  Terrestrial Cryptogams
   a  ENY 4004C*  General Entomology
   a  ENY 5006C*  General Microbiology
   ZOO 4206C*  Bio & Ecol of Metazoan Inverts
   a  ZOO 4310C*  Vertebrate Evolution & Ecology
   a  ZOO 5456C*  Ichthyology

Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to check their departmental advisor.

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3. Select one Chemistry sequence
CHM 2210  Organic Chem. I and
CHM 2211L  Organic Chem. II & Lab
or
CHM 3120&L  Analytical Chemistry & Lab and
CHM 2205  Intro Organic & Biochemistry
PCB 3044  Principles of Ecology
PCB 3063  Genetics
PCB 3023  Molecular Cell Biology
PCB 4683  Evolutionary Biology
(Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to check their departmental advisor.)

4. Upper Division Restricted Electives
   (22 hrs)
   Courses must be selected from the groupings listed below.
   Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
   At least three credits 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 designated with an asterisk (*).
   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.

4.1 Form/Function (minimum of one lecture course)
   BCH 4053  Biochemistry I
   BCH 4054  Biochemistry II
   b  BOT 4223C*  Plant Anatomy
   b  BOT 4303C*  Plant Kingdom
   b  BOT 4503*  Plant Physiology
   b  BSC 4101*  History of Biology
   a  CHM 4454*  Research in Animal Physiology
   PCB 3024*L  Molecular Cell Biology Laboratory
   PCB 3063*L  Genetics Laboratory
   PCB 3233  Immunology
   PCB 3703C  Human Physiology
   PCB 4514*  Genetics II
   PCB 4524  Molecular Biology II
   PCB 4683*L  Evolutionary Biology Lab
   a  PCB 4723*  Animal Physiology
   PCB 5565C*  Human Genetics
   PCB 5935*  Population Genetics
   a  PCB 3715C*  Comparative Vertebrate Anatomy
   a  ZOO 3733C  Human Anatomy
   a  ZOO 4603C*  Embryology/Development
   a  ZOO 4753C  Vertebrate Histology

4.2 Environmental (minimum of one lecture course)
   b  BOT 3018C*  Culinary Ethnobotany
   b  BOT 3152C*  Local Flora
   b  BOT 3800*  Ethnobotany
   b  BOT 4156C*  Florida Wildflowers
   b  BOT 4688C*  Conserv. & Mgt. of Native Plants
   BSC 5937*  Marine Biology
   BSC 5312C*  Tropical Marine Biology
   a  BSC 5821*  Biogeography
   a  PAZ 5253*  Zoo & Aquarium Mgt.
   PCB 3044*L  Ecology Laboratory
   PCB 3304C*  River Ecology
   PCB 3355C*  Tropical Marine Biology
   PCB 3442*  Florida Aquatic Ecology
   PCB 5326C*  Ecosystems of Florida
   PCB 5435C*  Marine Ecology of Florida
   PCB 5485*  Models in Ecology
   a  ZOO 4513*  Animal Behavior
   ZOO 5520*  Behavioral Ecology

4.3 Systematic (minimum of one lecture course)
   b  BOT 4713C*  Plant Taxonomy
   b  BOT 5485C*  Terrestrial Cryptogams
   a  ENY 4004C*  General Entomology
   a  ENY 5006C*  General Microbiology
   ZOO 4206C*  Bio & Ecol of Metazoan Inverts
   a  ZOO 4310C*  Vertebrate Evolution & Ecology
   a  ZOO 5456C*  Ichthyology

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*See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
5. 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.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- 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 CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

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

7. Electives (variable)

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

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Molecular and Microbiology, Science Education, Environmental Engineering

Related Minors: Biology, Molecular and Microbiology, Environmental Studies

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:

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.

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 Fee

- Full-time Student ........................................ $38 per term
- Part-time Student ........................................ $19 per term

Suggested Plan of Study:

This is one of numerous possible plans of study. See program description for all requirements. Courses designated by an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu
Take Math Placement Test – http://mathplacement.sdes.ucf.edu

Freshman Year

Fall

BSC 2010C Biology I 4
CHM 2045C Chem Fund I 4
ENC 1101 Composition I 3
Elective* Check restrictions 3

Spring

MAC 2311 Calc Analytic Geo I 4
POS 2041 req# 101-GEP 3
STA 2023 Stat Methods I 3
CHM 2210* req# 3-Core 3
PCB 3044 Print of Ecology 3

Sophomore Year

Fall

MAC 2311 Calc Analytic Geo I 4
STA 2023 Stat Methods I 3
CHM 2210* req# 3-Core 3
PCB 3044 Print of Ecology 3

Spring

MAC 2311 Calc Analytic Geo I 4
STA 2023 Stat Methods I 3
CHM 2210* req# 3-Core 3
PCB 3044 Print of Ecology 3

Junior Year

Fall

PHY 2053C* req# 2-CPP 4
PCB 3023 Mol Cell Biology 3
BOT 4303C req# 4.1 ResEl 5
Elective* Check restrictions 3

Spring

PHY 2053C* req# 2-CPP 4
PCB 3023 Mol Cell Biology 3
BOT 4303C req# 4.1 ResEl 5
Elective* Check restrictions 3

Senior Year

Fall

HUM 2101* req# 181-GEP 3
PSY 2012 req# 102-GEP 3
REL 3200* req# 183-GEP 3
PCB 4683 Evolutionary Biology 4
Elective* Check restrictions 3

Spring

HUM 2101* req# 181-GEP 3
PSY 2012 req# 102-GEP 3
REL 3200* req# 183-GEP 3
PCB 4683 Evolutionary Biology 4
Elective* Check restrictions 3

BIOLOGY – PREPROFESSIONAL CONCENTRATION (B.S.)

College of Sciences

Biology Department; BL 301, 407-823-2141

http://www.cos.ucf.edu/biology

E-mail: biology@ucf.edu

Contact: F. Loguidice, 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.
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
UCF Degree Programs

- Upon reaching junior standing, Biology students are expected to have completed the following courses: BSC 2010C, BSC 211C, CHM 2045C, CHM 2046, CHM 2210, CHM 2211 and associated Chemistry laboratories. 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.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

1. UCF General Education Program (36±3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.)
   A. Communication Foundations
   1. Select ENC 1101 and ENC 1102
   2. Prefer SP 1500
   B. Cultural and Historical Foundations
   1. Select MAC 2311
   2. Select STA 2023
   C. Mathematical Foundations
   1. Select CHM 2045C or CHM 2040C and CHM 2211
   2. Select BSC 2010C

2. Common Program Prerequisites (16 hrs)
   - BSC 2010C* Biology I GEP
   - BSC 2011C* Biology II 4 hrs
   - MAC 2311* Calculus w/Analytic Geometry I GEP
   - STA 2023* Statistical Methods I GEP
   - CHM 2040C* Organic Chem. I 3 hrs
   - CHM 2045C* Organic Chem. II & Lab 5 hrs
   - PHY 2053C College Physics I
   - PHY 2054C College Physics II
   or
   - PHY 2048 & L Physics Engr. & Sci. I & Lab
   - PHY 2049 & L Physics Engr. & Sci. II & Lab
   *See Transfer Notes for possible substitutes
   +CHM 2040C plus CHM 2041C can substitute for CHM 2045C

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

3. Core requirements (21 hrs)
   - PCB 3044 Principles of Ecology 3 hrs
   - PCB 3063 Genetics 3 hrs
   - CHM 2210 Organic Chem. I 3 hrs
   - CHM 2211 & Lab Organic Chem. II & Lab 5 hrs
   - PCB 3023 Molecular Cell Biology 3 hrs
   - PCB 4683 Evolutionary Biology 4 hrs

4. Restricted Electives (Suggested) (22 hrs)
   - Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
   - 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 designated with an asterisk (*).
   - 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.

5. 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.
   - To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving classes and research information on the World Wide Web.
   - 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 CLAST must be completely satisfied.

6. Foreign Language Requirement (0-8 hrs)
   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
   Spanish is highly recommended.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF

   - 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.

   - Summer must take the exam in the Spring.

   - The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

4.1 Form/Function (minimum of one lecture course)
   - BCH 4053 Biochemistry I 3 hrs
   - BCH 4054 Biochemistry II 3 hrs
   - A-MA 2454 Research in Animal Physiology 2 hrs
   - PCB 3063* Genetics Laboratory 1 hr
   - PCB 3024L Molecular Cell Biology Laboratory 2 hrs
   - PCB 3233 Immunology 3 hrs
   - PCB 3051* Genetics II 4 hrs
   - PCB 3665C* Human Genetics 4 hrs
   - a PCB 4723* Animal Physiology 4 hrs
   - a ZOO 3713C* Comparative Vert Anatomy 5 hrs
   - a ZOO 4623C Embryology/Development 5 hrs
   - a ZOO 4733C Vertebrate Histology 4 hrs

4.2 Environmental (minimum of one lecture course)
   - b BOT 3800* Ethnobotany 3 hrs

4.3 Systematic (minimum of one lecture course)
   - MAC 3020C General Microbiology 5 hrs
   - a ZOO 4205C* Bio & Ecol of Metazoan Inverts 4 hrs
   - a ZOO 4310C* Vertebrate Evolution & Ecol 4 hrs

Related Programs: Biology, Chemistry, Molecular/Microbiology
Related Minors: 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 by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes:

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C & Lab: may use PCB 2010, PCB 2111, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
  - BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
  - STA 2023: may use STA 2112, STA 2140C, STA 2023, STA 2024, STA 2231, MAC 2234, MAC 2254, or MAC 3202.
  - However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
  - MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
  - Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.
### UCF Degree Programs

**BIOTECHNOLOGY (B.S.)**

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular Biology and Microbiology**

HPA2 335, 407-823-5932

http://www.biomed.ucf.edu

Chair: P.E. Kolattukudy

Program Director: Henry Daniell, E-mail: daniell@mail.ucf.edu

The B.S. Biotechnology 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) meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

**Admission 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**

   (36+2-3 hrs)

   **A. Communication Foundations**

   Select ENC 1101, ENC 1102

   6 hrs

   Prefer SPC 1603 Tech Presentations

   3 hrs

   **B. Cultural Historical Foundations**

   9 hrs

   **C. Mathematical Foundations**

   Select MAC 2311 or MAC 2253

   3-4 hrs

   Select STA 2023

   3 hrs

   **D. Social Foundations**

   6 hrs

   **E. Science Foundations**

   Select CHM 2045C

   4 hrs

   Select BSC 2010C

   4 hrs

2. **Common Program Prerequisites**

   (21 hrs)

   **BSC 2010C** Biology I

   GEP

   **BSC 2011C** Biology II

   GEP

   **CHM 2045C**, **2046** General Chemistry I + II

   GEP, 3 hrs

   **CHM 2210, 2211** Organic Chemistry I + II

   6 hrs

   **PHY 2053C**, **2054C** College Physics I, II + Lab

   8 hrs

   **MAC 2311** Calculus with Analytical Geometry I

   GEP

   **STA 2023** Statistics

   GEP

*See Transfer Notes for possible substitutes

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

3. **Core Requirements**

   (52 hrs)

   **Life Sciences**

   - **MCB 3020C** General Microbiology
     - 5 hrs
   - **MCB 4414** Microbial Metabolism
     - 3 hrs
   - **PCB 4239, 3233L** Molecular Immunology + Immunology Lab
     - 4 hrs
   - **PCB 3522, 4524** Molecular Biology I, II
     - 6 hrs
   - **BSC 3403C** Quantitative Biological Methods
     - 4 hrs
   - **MCS 4712C** Methods in Biotechnology
     - 4 hrs
   - **MCS 41XX** Biotechnology/Industrial Seminar
     - 3 hrs
   - **MCS 4312** Molecular Biotechnology
     - 3 hrs
   - **PCB 4529** Experimental Molecular Biology
     - 3 hrs
   - **PCB 4174** Foundations of Bio-imaging Science
     - 3 hrs
   - **Chemistry**
     - **CHM 2046L** General Chemistry II Lab
       - 1 hrs
     - **CHM 2211L** Organic Laboratory Techniques II
       - 2 hrs
   - **BSC 4053** Biochemistry I
     - 3 hrs
   - **Physics**
     - **PHY 2053C**, **2054C** College Physics I, II
       - 8 hrs
     - or **2048, 2049C**
       - 8 hrs
   - **Math**
     - **MAC 2311** or **MAC 2253**
       - GEP

4. **Upper Division Restricted Electives**

   (6-8 hrs)

   (Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Students 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.)

   - **BCH 4054** Biochemistry II
     - 3 hrs
   - **BCH 4103L** Biochemical Methods
     - 2 hrs
   - **MCB 3203, 3203L** Pathogenic Microbiology + Lab
     - 4 hrs
   - **MCB 3404** Bacterial Genetics and Physiology
     - 3 hrs
   - **MCB 4203** Infectious Processes
     - 3 hrs
   - **MCB 4204** Cellular Microbiology
     - 3 hrs
   - **MCB 4503C** Virology
     - 3 hrs
   - **MCB 4603** Environmental Microbiology
     - 3 hrs
   - **MCB 4912** Undergraduate Research
     - 3 hrs
   - **MCB 4970H** Honors Thesis
     - 3 hrs
   - **MCB 5225** Molecular Biology of Disease
     - 3 hrs
   - **MCB 5565** Molecular Virology
     - 3 hrs
   - **MCS 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 5228** Immunopathology
     - 3 hrs
   - **PCB 5275** Signal Transduction
     - 3 hrs
   - **PCB 5259** Tumor Biology
     - 3 hrs

*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.

5. **Departmental Exit Requirements**

   To be eligible for a degree in Biotechnology:

   - 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.
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 are required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)

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

Graduation:

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Molecular Biology and Microbiology, Medical Lab Science

Related Minors: Biology, Chemistry, Molecular Biology and Microbiology

Transfer Notes: Substitutes for Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC X311 or MAC X233 or MAC X353 or MAC X281</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY X253C &amp; PHY X054C or PHY X048/X048L &amp; PHY X049/X049L STA X023 or STA X122 or STA X014 or STA X024 or STA X321</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040, 2041

Honors in the 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 BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits).
- Complete MCB 497OH “Honors Thesis” with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

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 Fee

- Full-time Student:  $78 per term
- Part-time Student:  $39 per term

Tentative Course Schedule for Entering Freshmen: One of many possible plans of study. Consult a departmental advisor for alternative plans and insert electives to total 120 hours.

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2031 or SYG 2000</td>
<td>3</td>
<td>SPC 1503</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 2001</td>
<td></td>
<td>CHM 2046</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>4</td>
<td>CHM 2046L</td>
<td>1</td>
</tr>
<tr>
<td>Cultural/Historical</td>
<td>3</td>
<td>BSC 2010C</td>
<td>4</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14/15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
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<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>MCB3020C</td>
<td>5</td>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>MAC 2311* or MAC 2253</td>
<td>4/3</td>
<td>STA 2023 or CGS 1060C</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000 or ANH 2010</td>
<td>4</td>
<td>BSC 3403C</td>
<td>4</td>
</tr>
<tr>
<td>or WOH 2012 or HUM 2210</td>
<td>3</td>
<td>EUH 2001 or ANH 2020</td>
<td>3</td>
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<tr>
<td>or HUM 2230 or WOH 2022</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Plan your required 9 summer hours into your course of study

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3522</td>
<td>3</td>
<td>PCB 4524</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 or POS 2041</td>
<td>3</td>
<td>PCB 4239 + PCB 3233L</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053C or PHY 2048*</td>
<td>4</td>
<td>PHY 2054C*</td>
<td>4</td>
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<tr>
<td>and 2048L or PHY2049, 2049L</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MCB 4XXX</td>
<td>3</td>
<td>BSC 2011C</td>
<td>4</td>
</tr>
</tbody>
</table>

*Students electing to enroll in the PHY2049/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12/14 hrs</th>
<th>Spring</th>
<th>12/13 hrs</th>
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<tbody>
<tr>
<td>BCH 4053</td>
<td>3</td>
<td>PCB 4529</td>
<td>3</td>
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<tr>
<td>MCB 4712C</td>
<td>4</td>
<td>PCB 4174</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>3</td>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective 2/4</td>
<td>4/3</td>
<td>MCB 4414</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Fall</th>
<th>13/15 hrs</th>
<th>Spring</th>
<th>13/14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>5</td>
<td>PCB 3522</td>
<td>3</td>
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<td>MCB 4XXX</td>
<td>3</td>
<td>BSC 3403C</td>
<td>4</td>
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<td>Restricted elective 2/4</td>
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<td>BCH 4053</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>restricted elective</td>
<td>3/4</td>
</tr>
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</table>

Senior Year

<table>
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<tr>
<th>Fall</th>
<th>13/14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
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<td>MCB 4414</td>
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<td>PCB 4524</td>
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</tr>
<tr>
<td>MCB 4712C</td>
<td>4</td>
<td>PCB 4239, 2233L</td>
<td>3/4</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>3</td>
<td>PCB 4529</td>
<td>3</td>
</tr>
<tr>
<td>Elective 3000 level 3/4</td>
<td>3/4</td>
<td>PCB 4174</td>
<td>3</td>
</tr>
</tbody>
</table>

BUSINESS

See General Business

BUSINESS ADMINISTRATION (B.B.A.)

Completion program for individuals who have a statewide articulated A.A. from a Florida public community college.

Note: This degree program is only available at selected Regional Campuses (Cocoa, Daytona, Valencia West, Palm Bay, Sanford/Lake Mary, and South Lake, Osceola and Ocala).

College of Business Administration

Regional Campuses Administrative Offices, 407-823-4547

12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu

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

Regional Campus Director of Advising: Helen Hill, 407-823-1509, hhill@mail.ucf.edu

Cocoa campus advising: Angelia Jones, 321-433-7889; Clermont/Ocala campus advising: Selena Forrester, 352-536-2174; Daytona campus advising: Christine Davis, 386-506-4021; Valencia West/ Osceola campus advising: Caroline Obexer, 407-582-5500

The Bachelor of Arts in Business Administration (B.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.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.

**Admission Requirements**
2.0 GPA and completion of General Education, Gordon Rule, and 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 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** (36 hrs)

A. Communication Foundations
   - Preferred: SPC 1608

B. Cultural and Historical Foundations
   - 9 hrs

C. Mathematical Foundations
   - Select MAC 1140 Pre-Calculus 3 hrs
   - Select STA 2023 Principles of Statistics 3 hrs

D. Social Foundations
   - Select ECO 2013 Microeconomics or ECO 2023 Microeconomics 3 hrs
   - ECO 2033 Microeconomics, PSY 2012, SYG 2000 or ANT 2000 3 hrs
   - ECO 2100C Computer Fundamentals for Business 3 hrs

E. Science Foundation
   - Select MAC 1140 or MAC 1147 3 hrs
   - Select STA 2023 Principles of Statistics 3 hrs

2. **Common Program Prerequisites** (18-21 hrs)

   - AGC 2021 Principles of Managerial Accounting 3 hrs
   - ECO 2023 Microeconomics 3 hrs
   - ECO 3401 Quantitative Business Tools 3 hrs
   - ECO 3401C Business Finance 3 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - MAR 3023 Marketing 4 hrs
   - MAN 4720 Strategic Management 4 hrs

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

3. **Core Classes** (36 hrs)

   First or subsequent semester in the College of Business Administration:
   - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - BUL 3150 Legal & Ethical Environments of Business 4 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - FIN 3403C Business Finance 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - ISM 3011C Essentials of Management Information Systems 4 hrs
   - MAR 3023 Marketing 4 hrs
   - MAN 4720 Strategic Management 4 hrs

   Last Semester:
   - MAN 4720 Strategic Management 4 hrs

4. **Area of Specialization** (18 hrs min)

   Existing non-business minor offered at Regional Campus

5. **Foreign Language Requirements** (0-8 hrs)

   **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:** 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.

6. **University Minimum Exit Requirements**
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

**Total Semester Hours Required:** 120 hrs (A.A. Transfers)

**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 prerequisite class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

**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 Fee**
- Full-time Student .............................................. $30 per term
- Part-time Student .............................................. $15 per term

**CARDIOPULMONARY SCIENCES (B.S.)**

Department of Health Professions
HFAZ 210, 407-823-2214
http://www.cohpa.ucf.edu/health.pro/
Undergraduate Program Director: Steve Shideler,
E-mail: cardioinfo@mail.ucf.edu

**Admission Requirements**

**Limited Access**

Acceptance to the university does not necessarily constitute admission to the upper division cardiopulmonary sciences program.
- Separate Application to the limited access program must be made directly to the program prior to March 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program can occur.
## UCF Degree Programs

This limited access program is work-intensive and courses include clinical practice in a variety of health care 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.

- Once application is complete, including supporting documentation, students will be notified for a personal interview with program faculty.
- Student must complete all general education, foreign language, and program admission prerequisites by the end of Spring Semester before starting 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".
- A one page statement of intent for entry into the profession must be included with the program application. Typical papers are single spaced and approximately 500 words in length. Candidate should reflect on their reasons for wishing to become a respiratory care professional and their feelings concerning their recent site visit to a respiratory or cardiopulmonary department.
- Applicants are required to complete a BCLS (advanced CPR) course offered by American Heart Association (AHA) or AHA approved provider of BCLS training specifically designed for health care providers prior to their admission to the limited access cardiopulmonary sciences program.
- The limited access portion of the cardiopulmonary sciences program has a requirement for all students to submit a criminal background check prior to the scheduling of a personal interview. This requirement mirrors clinical affiliates’ need to guarantee patient safety by screening students prior to providing them access to their patient populations.
- The practice of respiratory care can be a physically challenging experience. Students must possess a level of visual acuity, auditory perception, and motor coordination necessary to participate fully in this strenuous patient care centered program. Specific questions about the physical requirements for this program and professional duties should be directed to the Program Director.

This department will continue to accept Associate in Arts (AA) and Associate in Science (AS) transfers, but those students admitted with only the AS degree will need to complete the UCF General Education requirements before they can be actively considered for admission to this limited access program. Students should seek advisement from the program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

### Limited-Access Program:
- A total of 20 UCF undergraduate students are admitted each fall semester for the limited access Cardiopulmonary Sciences program.

### RRT-Transfer Option Program:
- Registered Respiratory Therapists (RRT’s) applying for the RRT-Transfer Option Program will be admitted to the program on a space available basis. These individuals have a separate application process and are not counted as part of the regular Limited Access Cardiopulmonary Sciences class.
- For more information, please see below: “RRT-Transfer Option Program.”

### Degree Requirements

- Students who are pending Cardiopulmonary Sciences and are admitted to the program must adopt the most current catalog
- Students should complete the UCF General Education, Foreign Language, CLAST, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System.
- Student 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 Cardiopulmonary Sciences Program.
- UCF Residency Requirement: 32 hours
- 25% of course work must be completed in residency at UCF
- 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 (36+2 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 1115</td>
<td>College Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 4159</td>
<td>Medical Pharmacology II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>HSC 4158</td>
<td>Medical Pharmacology I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>HSC 4244</td>
<td>Life Support Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3493C</td>
<td>Respiratory Clinical Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3264C</td>
<td>Mechanical Ventilation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4245</td>
<td>Medical Pharmacology II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RET 4414C</td>
<td>Pulmonary Function Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RET 3274</td>
<td>Pediatric Respiratory Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4289</td>
<td>Cardiopulmonary Diagnostics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4175</td>
<td>Neonatal Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4034</td>
<td>Problems in Patient Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3875</td>
<td>Clinical Practice II</td>
<td>8 hrs</td>
</tr>
<tr>
<td>RET 4285</td>
<td>Cardiopulmonary Diagnostics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4934</td>
<td>Selected Topics in Respiratory Care</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RET 4876</td>
<td>Clinical Practice III</td>
<td>8 hrs</td>
</tr>
<tr>
<td>RET 4536</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>3 hrs</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra (with lab)</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics or higher level (with lab)</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

*See Transfer Notes

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

### 3. Core Requirements (72 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RET 3025C</td>
<td>Intro. to Respiratory Care</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RET 3844C</td>
<td>Cardiopulmonary Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiologic Mechanisms</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4158</td>
<td>Medical Pharmacology I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RET 4503</td>
<td>Chest Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4244</td>
<td>Life Support Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3483C</td>
<td>Respiratory Clinical Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3264C</td>
<td>Mechanical Ventilation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4159</td>
<td>Medical Pharmacology II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RET 4414C</td>
<td>Pulmonary Function Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RET 3174</td>
<td>Pediatric Respiratory Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3874</td>
<td>Clinical Practice I</td>
<td>5 hrs</td>
</tr>
<tr>
<td>RET 4284</td>
<td>Cardiopulmonary Diagnostics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4175</td>
<td>Neonatal Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4034</td>
<td>Problems in Patient Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3875</td>
<td>Clinical Practice II</td>
<td>8 hrs</td>
</tr>
<tr>
<td>RET 4285</td>
<td>Cardiopulmonary Diagnostics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 4934</td>
<td>Selected Topics in Respiratory Care</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RET 4876</td>
<td>Clinical Practice III</td>
<td>8 hrs</td>
</tr>
<tr>
<td>RET 4536</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Upper Division Restricted Electives (3 hrs)

The Cardiopulmonary Sciences program allows students in the traditional limited access program 3 credit hours of 3000-4000 level restricted elective courses with the approval of the program director. Any course or courses used to fulfill the restricted elective requirement must be passed with a grade of “C” (2.0) or better to be counted toward total program credit hours.

### 5. Departmental Exit Requirements (127 hrs)

Cardiopulmonary Sciences GPA requirement minimum 2.5 overall required for admission and graduation.

### 6. Electives

**none**

### 7. Foreign Language Requirements

**0-8 hrs**

**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. University Minimum Exit Requirements

A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 32 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of summer credit (if applicable)

**Total Semester Hours Required:** 127 hrs

**Related Programs:** Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate
Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

RRT-Transfer Option Program:
The UCF Cardiopulmonary Sciences program maintains an active RRT-Transfer Option Program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This program allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process, transfer-credit by examination is available for Registered Respiratory Therapists for 26 credits of course work. Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This may be demonstrated by successful completion of the two part registry examination given by the National Board for Respiratory Care (NBRC). Only graduates of an accredited institution and program are eligible for the NBRC credentials. Students who successfully complete these requirements will have validated the knowledge and clinical competencies and will be awarded credit in their final semester with grades of "S" recorded in their transcripts. For an application and information regarding the curriculum, please contact: cardioinfo@mail.ucf.edu.

Community College Equivalents
College Algebra (MAC 1105) or (higher level) 3 hrs
Statistics (STA 2023) or (higher level) 3 hrs
College Physics I (PHY 1007/L) or (PHY 1053/L) or higher level with labs 4 hrs
General Chemistry with Lab (CHM 1031/L) or (higher level) 4 hrs
Biology I with Lab (BSC 1010/L) or (higher level) 4 hrs
General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020/L) or (PHA 2751) 4 hrs
Human Anatomy and Physiology I & II (BSC 2093C or (PHA 2751) 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

Equipment Fee
Full-time Student .......................... $50 per term
Part-time Student .......................... $25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 16 Spring 16
ENC 1101 3 ENC 1102 3
MAC 1105 3 MAC 1114 3
BSC 2010C 4 MCB 2004C 4
or General Chemistry with Lab (CHM 1031/L) or (higher level) 4 hrs
or Biology I with Lab (BSC 1010/L) or (higher level) 4 hrs
or General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020/L) or (PHA 2751) 4 hrs
HSC 4158 2

Sophomore Year
Fall 14 Spring 13
PHY 2053C 4 PCB 3703C 4
ZOO 3733C 4
EUA 4001 or HUM 4001 3
EUA 4001 or HUM 4001 3

Senior Year
Fall 17 Spring 16
RET 4284 3 RET 4285 3
RET 4287 3 RET 4876 8
RET 4715 3 RET 4534 3
RET 4034 3 RET 4536 3

Minor  none

Accreditation

Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through the National Board for Respiratory Care (NBRC) and obtain licensure by the State of Florida.

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care (CoARC) in conjunction with CAAHEP of the American Medical Association.

CHEMISTRY (B.S.)

College of Sciences
Department of Chemistry, CH 117, 407-823-2246
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Contact: Pedro Patino

Admission Requirements

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 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.

AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major: CHM 2045C, CHM 2046L, CHM 2210, CHM 2211, MAC 2311, MAC 2312, Phy 2048 &L, and PHY 2049L. These courses are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

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.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program
(36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102 6 hrs
2. Prefer ENC 1101 3 hrs

B. Cultural and Historical Foundations
1. Select MAC 2311 4 hrs
2. Prefer STA 2023 3 hrs

C. Social Foundations
6 hrs

D. Science Foundations
1. Select PHY 2048 &L (PR:MAC 2311) 4 hrs
2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites
(22 hrs)

CHM 2045C*  Chem Fund II  4 hrs
CHM 2046 & L  Chem Fund II & Lab  4 hrs
CHM 2210 Organic Chem. I  3 hrs
CHM 2211 Organic Chem. II  3 yrs
MAC 2311 Calculus w/ Analytic Geometry I  GEP
MAC 2312 Calculus w/ Analytic Geometry II  4 hrs
PHY 2048 & L* Physics Engr. & Sci. I & Lab  GEP
PHY 2049 & L* Physics Engr. & Sci. II & Lab  4 hrs

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

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

3. Core requirements
(40 hrs)

MAC 2313 Calculus w/ Analytic Geometry III  4 hrs
CHM 2211L Organic Lab Techniques I  2 hrs
CHM 3212L Organic Lab Techniques II  2 hrs
CHM 3120 & L Analytical Chemistry & Lab  4 hrs
CHM 3410 Physical Chemistry I  4 hrs
CHM 3411 Physical Chemistry II  3 hrs
CHM 3411L Physical Chemistry Lab  2 hrs
CHM 4610 Inorganic Chemistry  3 hrs

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UCF Degree Programs

CHM 4610L Inorganic Chemistry Lab 2 hrs
CHM 4310 Adv Analytical Lab Technique 3 hrs
CHM 4330L Adv Analytical Chem Lab 2 hrs
CHM 4914C Undergraduate Research Methods 1 hr
CHM 4912 Undergraduate Research 4 hrs
CHM 4930 Chemistry Seminar 1 hr
PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
PHY 2049 & L Physics Engr. & Sci. II & Lab CPP
CHM 4053 Biochemistry I 3 hrs
BSC 2010C Biology I GEP

Select one of the following:

STA 1060C Statistics Using Excel GEP
STA 2023 Statistical Methods I

*See Transfer Notes for possible substitutes

4. Upper Division Restricted Electives (6 hrs)

BCH 4054 Concepts in Industrial Chem 3 hrs
CHM 5235 Applied Molec Spectroscopy 3 hrs
CHM 5580 Advanced Physical Chem 3 hrs
CHM 5450 Polymer Chemistry 3 hrs
CHM 5451C Techniques in Polymer Chemistry 3 hrs
CHS 4200 Concepts in Industrial Chem 3 hrs
CHS 4615 Environmental Chem 3 hrs

5. 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. Departmental Exit Requirements

- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a "C" GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- 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.
- Computer Competency met by STA 1060C or by departmental assessment
- 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 CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

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

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Forensic Science, Molecular and, Microbiology, Science Education

Related Minors: Chemistry, Molecular and Microbiology

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 common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- PHY 2048 & Lab: may use PHY 2053C. However PHY 2048 & Lab is required and will still have to be taken.
- PHY 2049* & Lab: may use PHY 2054C. However PHY 2049 & Lab is required and will still have to be taken
- Physics: CPP requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, both Physics courses and Organic Chemistry classes are required for graduation.

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 Fee

- Full-time Student .......................................................... $90 per term
- Part-time Student .......................................................... $45 per term

Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by electives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.sdes.ucf.edu

Freshman Year

Fall
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Analytic Geo I 4

CHM 2045C Chemistry Fund I 3

Spring
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Analytic Geo I 4

CHM 2045C Chemistry Fund I 3

Sophomore Year

Fall
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1

STA 1060C Stat Using Excel 3

CHM 2210 Organic Chem I 3

MAC 2313 Calc Analytic Geo III 4

CHM 2211 Organic Chem II 3

Spring
PHI 2010* req# 1B3-GEP 3

PHY 2054C Phy for Eng Sci I 3

PHY 2049 Phy for Eng Sci II 3

MAC 2313 Calc Analytic Geo III 4

Elective* Check restrictions 2

CHM 2211 Organic L Tech I 2

Junior Year

Fall
POS 2041* req# 1D1-GEP 3

BCH 4053 Biochemistry I 3

CHM 3210 Analy Chemistry 5

CHM 3212L Organic L Tech II 2

CHM 3410 Physical Chem I 4

Spring
HUM 2210* req# 1B1-GEP 3

CHM 4610L Inorg Chemistry L 2

CHM 4914C Undergrad Res Meth 1

Elective* Check restrictions 3

PCB 3063* req# 5-DrlEl 3

CHM 4912 Research 1

Senior Year

Fall
HUM 2210* req# 1B1-GEP 3

CHM 4610L Inorg Chemistry L 2

CHM 4914C Undergrad Res Meth 1

Elective* Check restrictions 3

PCB 3063* req# 5-DrlEl 3

CHM 4912 Research 1

Spring

CINEMA STUDIES TRACK in FILM

See Film - Cinema Studies Track

UNIVERSITY OF CENTRAL FLORIDA

2009-2010 Undergraduate Catalog

136
CIVIL ENGINEERING (B.S.C.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG2 211, 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpohl@mail.ucf.edu
Director: F. Necati Caba, Ph.D., E-mail: caba@math.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 for Engineering Students
   The UCF General Education Program (GEP) is described in the 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
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1600
   B. Cultural and Historical Foundations
      1. Select two courses from Historical Foundations
      2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300,
      3. PHI 2010, LIT 2110, or LIT 2120
   C. Mathematical Foundations
      1. Select MAC 2311 (PR: MAC 1144 and MAC 1140)
      2. Select STA 3023 (PR: MAC 2312)
   D. Social Foundations
      1. Select ECO 2031 or ECO 2021
      2. ANT 2000, PSY 2012, or SYG 2000
   E. Science Foundations
      2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)
   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social science courses.

   CHM 2045C or CHEM 2040C and CHEM 2041C
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
   PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
   ENC 1101 Composition I GE
   ENC 1102 Composition II GE
   CHEM 1105 Fundamentals of Chemistry for Engineers 4 hrs
   CHEM 2045C or CHEM 2040C and CHEM 2041C
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
   PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
   ENC 1101 Composition I GE
   ENC 1102 Composition II GE
   CHEM 1105 Fundamentals of Chemistry for Engineers 4 hrs
   CHEM 2045C or CHEM 2040C and CHEM 2041C
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
   PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
   ENC 1101 Composition I GE
   ENC 1102 Composition II GE
   CHEM 1105 Fundamentals of Chemistry for Engineers 4 hrs
   CHEM 2045C or CHEM 2040C and CHEM 2041C

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

3. Courses Required for the Major (62 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements. A “C” (2.0) or better is required for those courses in section 3. marked with an asterisk (*).

   EGN 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   EGN 3311* Mechanics of Materials 3 hrs
   EGN 3321 Engineering Analysis - Statics 3 hrs
   EGN 3322 Engineering Analysis - Dynamics 3 hrs
   EGN 3331* Mechanics of Materials 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EGN 3613 Engineering Economic Analysis 2 hrs
   CCE 4003 Intro to the Construction Industry 3 hrs
   ENV 3001 Intro to Environmental Engineering 3 hrs
   STA 3032 Probability & Statistics for Engineers 3 hrs
   CES 4011C Geotechnical Engineering 4 hrs
   CES 4100C Structural Analysis I 4 hrs
   CES 4605 Steel Structures 3 hrs
   CES 4702 Reinforced Concrete Structures 3 hrs
   CWR 3201 Engineering Fluid Mechanics 3 hrs
   CWR 4101C Hydrology 3 hrs
   CUR 4203C Hydraulics 3 hrs
   ENV 4561 Environment Engng-Process Design 4 hrs
   SUR 2101C Surveying 3 hrs
   TTE 4004 Transportation Engineering 4 hrs

4. Approved Technical Electives (3 hrs)
   Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site 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.

5. Departmental Graduation Requirements (6 hrs)
   Approved CE Project Design Course I 3 hrs
   Approved CE Project Design Course II 3 hrs
   Civil engineering students must take the Fundamentals Exam during their Senior year.
   Earn a minimum graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

6. Foreign Language Requirements (0-8 hrs)
   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

7. University Minimum Graduation Requirements
   A 2.0 UCF GPA.
   60 semester hours earned after any CLEP award.
   48 semester hours of upper division credit completed.
   30 of the last 36 hours of course work must be completed in residence at UCF.
   25% of course work must be completed in residency at UCF.
   A 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 CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Construction Engineering, Environmental Engineering
Related Minors: Mathematics, Engineering Leadership.

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.

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 Fee
- Full-time Student .................................................. $90 per term
- Part-time Student ................................................... $45 per term
UCF Degree Programs

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 departmental academic advisor to develop and maintain an appropriate plan of study.

Civil Engineering - 128 semester hours required

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ENC 1101 English Comp I</td>
<td>3</td>
<td>* ENC 1102 English Comp II</td>
<td>3</td>
</tr>
<tr>
<td>* MAC 2311 Calc w/Analy Geo I</td>
<td>4</td>
<td>* MAC 2312 Calc w/Analy Geo II</td>
<td>4</td>
</tr>
<tr>
<td>* ANTIPSYSYSY</td>
<td>4</td>
<td>* PHY 2088L Phys Engr I w/lab</td>
<td>4</td>
</tr>
<tr>
<td>ECO 2053 Microeconomics</td>
<td>3</td>
<td>EGN 3612 Eng Econ Anal</td>
<td>2</td>
</tr>
<tr>
<td>or ECO 2023 Microeconomics</td>
<td>3</td>
<td>EGN 1007C Eng Con &amp; Meth</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1006C Intro To Eng Prof</td>
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</tr>
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</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>* MAC 2313 Calc w/Analy Geo III</td>
<td>4</td>
<td>* MAP 2302 Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>* CHM 2045C/L Chem Funds I</td>
<td>4</td>
<td>* CHM 2046 Chemistry Funds II</td>
<td>3</td>
</tr>
<tr>
<td>* HUM/AMHEUH - I</td>
<td>3</td>
<td>* PHY 2048L Phys Eng II w/lab</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3310 Engr Anal - Statics</td>
<td>3</td>
<td>* GEO/GLY/BSC</td>
<td>3</td>
</tr>
<tr>
<td>* EGN 3311 Engr Anal - Dynamics</td>
<td>3</td>
<td>EGN 3232 Engr Anal-Dynamic</td>
<td>3</td>
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</table>

**SUMMER**

<table>
<thead>
<tr>
<th>9 hrs</th>
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</thead>
<tbody>
<tr>
<td>*SUR 2101C Surveying</td>
</tr>
<tr>
<td>EGN 3331 Mech of Materials</td>
</tr>
<tr>
<td>ENV 3001 Intro to Environ Eng</td>
</tr>
</tbody>
</table>

**THIRD YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWR 3201 Eng Fluid Mechanics</td>
<td>3</td>
<td>CWR 4101C Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4003 Intro to Const Indus</td>
<td>3</td>
<td>CWR 4203C Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>*SPC 1603 Tech Presentations</td>
<td>3</td>
<td>EGN 3373 Pm Elec Eng</td>
<td>3</td>
</tr>
<tr>
<td>CES 4100C Structural Analysis I</td>
<td>3</td>
<td>*HUM/AMHEUH - II</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032 Prob/Stats for Engrs</td>
<td>3</td>
<td>TTE 4004 Transportation Eng</td>
<td>4</td>
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</tbody>
</table>

**FOURTH YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENV 4561 Env Eng-Proc Design</td>
<td>4</td>
<td>Approved Project Design Course</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4011C Geotechnical Engr</td>
<td>4</td>
<td>CES 4702 Reinfrd Concrete Strctrs</td>
<td>3</td>
</tr>
<tr>
<td>CES 4605 Steel Structures</td>
<td>3</td>
<td>or Technical Elective</td>
<td></td>
</tr>
<tr>
<td>or Technical Elective</td>
<td>3</td>
<td>EGN 3901C Civil Engrr Materials</td>
<td></td>
</tr>
<tr>
<td>Approved Project Design Course</td>
<td>3</td>
<td>EGN 3343 Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>*Cultural Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the UCF core, restricted elective, and A/B/S. elective.

2. Required courses for entering freshmen only.

3. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

4. Students must earn a minimum grade of “C” (2.0) in EGN 3310 or its equivalent before registering for subsequent courses.

5. Students must earn a minimum grade of “C” (2.0) in EGN 3331 or its equivalent before registering for subsequent courses.

**BS to PhD Program**

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program upon 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.

**COMMUNICATION SCIENCES AND DISORDERS (B.A., B.S.)**

College of Health and Public Affairs

Department of Communication Sciences & Disorders

HPA2 101


Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798,
E-mail: jschwart@mail.ucf.edu

**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 should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and 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** (36 hrs)
   - Communication Foundations: 9 hrs
   - Cultural Historical Foundations: 9 hrs
   - Mathematical Foundations: 6 hrs
   - Select MGP 1106 Finite Math or MGP 1107
   - Select STA 2014C or STA 2023
   - D. Social Foundations: 6 hrs
     - Select PSY 2012 General Psychology
     - Select one of the listed choices (ECO 2013, ECO 2023)
   - E. Science Foundations: 6 hrs
     - One biological science (Prefer BSC 1005)
     - Select one physical science

2. **Common Program Prerequisites**
   - None

3. **Core Requirements** (60 hrs)
   - DEP 2004 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 2716 Language Development: Birth Through 8 Years: 3 hrs
   - STA 3011 Speech Science I: Speech Production: 3 hrs
   - STA 3011L Speech Production Lab: 1 hr
   - LIN 2717 Language Development: 9-18 Years: 3 hrs
   - SPA 3104 Neural Bases of Communication: 3 hrs
   - SPA 3123 Speech Science II: Speech 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 4476 Multicultural Aspects: Communication Disorders and Differences: 3 hrs
   - LIN 7411 Language Analysis: 3 hrs
   - LIN 7411L Language Analysis Lab: 1 hr
   - SPA 4400 Language Disorders Across the Lifespan: 3 hrs
   - SPA 4321 Audiologic Rehabilitation: 3 hrs
   - EAB 3703 Principles of Behavior Modification or EEX 4601 Introduction to Behavior Management or EEC 4604 Guidance of Young Children or EDF 3303 Learning Environments and Guidance for Young Children or SPA 3472 Guidance of Young Children with Communication Disorders or SPA 4056C* Clinical Methods in Communication Disorders: 5 hrs
   - SPA 4501L Undergraduate Clinical Practicum or 3 hrs
   - SPA 4948 Community Internship: 3 hrs
   - SPA 4948 Community Internship:

4. **Statistics Requirement** (3 hrs)
   - Students have two options for completing this requirement:
     - **Option 1:**
       - STA 2023 Statistical Methods I and GPA
       - STA 4163 Statistical Methods II or GPA
     - **Option 2:**
       - STA 2014C Principles of Statistics (GEP) or GPA
       - STA 2023 Statistical Methods I and GPA
       - SPA 4803 Research Methods in Communication Sciences: 3 hrs

5. **Upper Division Restricted Electives** (6 hrs)
   - An additional six credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.
UCF Degree Programs

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science

Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contact: Dr. Samuel Richie, HEC 245E; Charlese Hilton-Brown, HEC 245F

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 for Engineering Students
The UCF General Education Program (GEP) is described in the 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
   1. English 1101 & English 1102
   2. Prefer SPC 1102
   9 hrs

B. Cultural and Historical Foundations
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300,
   9 hrs
   PHI 2010, LIT 2110, or LIT 2120, DEP 2004
   C. Mathematical Foundations
   1. Select MAC 2311 (PR: MAC 1144 and MAC 1140)
   2. Select STA 2023 (PR: MAC 2312)
   7 hrs

Note: Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Division of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate course work in the major, a combined score of at least 1000 on the GRE, and at least 400 on the verbal section of the GRE. Entry level positions to provide speech and language services are available in some Florida school districts. Under the 2/5 Rule, individuals employed in these positions have two years from the date of employment to enroll in a master's program in Communication Sciences and Disorders and five years to complete the degree.

6. Electives (6 hrs min)
B.A./B.S. Option.
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

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 also be used to fulfill this requirement.

8. Departmental Exit Requirements
Students must achieve a minimum grade of "C-" (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

9. University Minimum Exit Requirements (120 hrs)
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

Related Minors: American Sign Language and Deaf Studies, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

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 must take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

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

Equipment Fee
- Full-time Student .............................. $35 per term
- Part-time Student ............................ $17.50 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 15 hrs
ENC 1101 3
PSY 2012 3
BSC 1005 3
One Course: ARH 2050 or ARH 2051, or MUL 2010, or THE 2000, or REL 2300, or PHI 2010, or LIT 2110, or LIT 2120, or FIL 1000 3
Elective 3
Spring 15 hrs
ENC 1102 3
PSC 1121 or PHY 2053C 3
EEC 2013 or ECO 2023 3
or POS 2041
EUH 2000 or HUM 2210 or AMH 2010 3
or DEP 2004

Sophomore Year
Fall 15 hrs
SPC 1608 3
EHU 2000 or HUM 2230 or AMH 2020 3
MGF 1106 or MAC 1105 Elective 3
SPA 3471 3
Spring 16/17 hrs
SPA 3112 and SPA 3112L 4
Restricted Elective 3
EAB 3703, or EDF 3303 3
or EEX 4601, or EEC 4604, or SPA 3472 3
or STA 2014C or STA 2023 3
Foreign Lang. I (B.A.)* or Health Sciences (B.S.) elective 3/4

Junior Year
Fall 13 hrs
LIN 3716 3
SPA 3011 and SPA 3011L 3
SPA 3101 3
STA 4163 or SPA 4803 3
Senior Year
Fall 15 hrs
SPA 4032 3
SPA 4400 3
SPA 4501L** or SPA 4948 3
LIN 4711 and 4711L 4
SPA 4056C 5
Spring 15 hrs
SPA 4321 3
SPA 4501L** or SPA 4948 3
Restricted Elective*** 3
Elecive 3

*Students taking American Sign Language (ASL) to satisfy BA foreign language requirement must complete three semesters of ASL.
**Students must apply and be selected to enroll in SPA 4501L.
***Consult department for list of restricted electives.
UCF Degree Programs

D. Social Foundations
   1. Prefer ECO 2013 or ECO 2023
   2. ANT 2000, PSY 2012, or SYG 2000
   3. MAC 2313
   4. COT 3100
   5. ENC 1101, ENC 1102, or the Humanities courses, and the Social Science courses.

E. Science Foundations
   1. Select PHY 2048/2048L (PR: MAC 2311)
   2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (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 ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2, marked with an asterisk (*).

   Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

   CHS 1440 Fundamentals of Chemistry for Eng 4 hrs
   (CHM 2045C/45CL will substitute)
   MAC 2311* Calculus with Analytic Geometry I 4 hrs
   MAC 2312* Calculus with Analytic Geometry II 4 hrs
   MAC 2313* Calculus with Analytic Geometry III 4 hrs
   MAP 2302* Differential Equations 3 hrs
   PHY 2048/48L* Physics for Engineers & Scientists I 4 hrs
   PHY 2049/49L* Physics for Engineers & Scientists II 4 hrs
   ENC 1101 Composition I 3 hrs
   ENC 1102 Composition II 3 hrs
   Humanities Courses 3 hrs
   Social Science Courses 3 hrs
   Social Science Courses 3 hrs
   Humanities or Social Sciences 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Courses Required for the Engineering Core (8 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 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

   EGN 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   EGN 3310 Engineering Analysis - Statics 3 hrs
   EGN 3321 Engineering Analysis - Dynamics 3 hrs
   EGN 3358 Thermodynamics-Heat Transfer 3 hrs
   STA 3023 Probability & Statistics for Engineers 4 hrs

4. Courses Required for the Major (48 hrs)
   The tentative course schedule listed below is a guide for those engineering 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.

   COT 3100 Discrete Structures 3 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 3 hrs
   COP 3330 Object-Oriented Prog 3 hrs
   COP 4311C Processes Object Oriented SW Dev 4 hrs
   EEL 3004 Electrical Networks 3 hrs
   EEL 3123C Networks and Systems 4 hrs
   EEE 3307C Electronics I 4 hrs
   EEE 3342C Digital Systems 3 hrs
   EEE 3801 Computer Organization 3 hrs
   EEL 4767C Embedded Systems 3 hrs
   EEL 4769C Computer Architecture 3 hrs
   EEL 4761C Computer Comm Networks 3 hrs
   COP 4600 Operating Systems 3 hrs

5. Approved Technical Electives (9 hrs)
   These elective courses 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 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. Departmental Graduation Requirements (6 hrs)
   EEL 4914 Senior Design I 3 hrs
   EEL 4915L Senior Design II 3 hrs

   CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)
   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. University Minimum Graduation Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - 25% of course work must be completed in residency at UCF
   - A 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 CLAST, and nine semester hours of Summer credit (if applicable)

   Total Semester Hours Required: 128 hrs

   Equipment Fee
   - Full-time Student ........................................ $90 per term
   - Part-time Student ........................................ $45 per term

   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.

   Computer Engineering - 128 semester hours required

   FIRST YEAR
   Fall                                          16 hrs 1,3
   *Historical Foundations 1a 3
   *Macroeconomics 3
   GLY/GEO/BSC 3
   *SPC 1603 Tech Presentations 3
   *MAC 2312 Calc with Analy Geo II 4
   *PHY 2048L Phys for Eng/Sci I 4
   *MAC 2311 Calc with Analytic Geo I 4
   COP 3323 Intro to Programming 3
   Spring                                      15 hrs 1,3
   *Social Foundations 1 3
   *Science Foundations 2 3

   SECOND YEAR
   Fall                                          17 hrs 4,5
   *MAC 2313 Calc with Analytic Geo III 4
   Historical Foundation 3
   *Rel 2048L Phys Engr/Sci II 4
   EGN 3310 Engr Anal-Statics 3
   EGN 3300 Intro Discrete Structures 3
   EEL 3004 Electrical Networks 3
   COP 3330 Obj Oriented Prog 3
   Spring                                      16 hrs 4,5
   *Map 2302 Diff Equations 3
   ENC 1102 Composition II 3
   EEL 3307C Electronics I 4
   CHS 1440 Chem for Engr 4
   EEL 3307C Electroncs I 4
   EEL 3368 Thermodynamics-Heat Transfer 3
   STA 3023 Prob/Stats for Engineers 3

   Summer                                      10 hrs 1
   *Cultural Foundation 3
   EEL 3123C Networks and Systems 4
   EEE 3342C Digital Systems 3

   THIRD YEAR
   Fall                                          16 hrs 1,3
   COP 3330 Obj Oriented Prog 3
   COP 3502C Computer Science II 3
   EEL 3307C Electronics I 4
   EEL 4767C Embedded Systems 3
   EGN 3321 Engr Anal-Dynamics 3
   COP 4313C Processes Obj Orient 3
   STA 3032 Prob/Stats for Engr 3
   COP 4331C Processes Obj Orient 3
   Spring                                      12 hrs 1,3
   COP 4600 Operating Systems 3
   EEL 4769C Computer Architecture 3
   EEL 4914 Senior Design I 3
   Approved Technical Electives 3
   Approved Technical Electives 3
   *ECO 2013 Macroeconomics 3
   or ECO 2023 Microeconomics 3

   FOURTH YEAR
   Fall                                          16 hrs 1,3
   *ECON 2013 Macroeconomics 3
   or ECO 2023 Microeconomics 3
   EEL 4769C Computer Architecture 3
   EEL 4914 Senior Design I 3
   Approved Technical Electives 3
   Approved Technical Electives 3
   *ECO 2013 Macroeconomics 3
   or ECO 2023 Microeconomics 3
Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. 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: Approved Technical Electives.

Accelerated BS/MS Degree Program
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 the Catalog for more information.

COMPUTER SCIENCE (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Ali Orooji, HEC 245D;
Charlese Hilton-Brown, HEC 245F

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 Web Site for more information about the foundation exam.

Degree Requirements
- Students must earn at least a 2.0 in each course in 2-5
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level

1. UCF General Education Program (36+3 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1603
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
      2. Select STA 2023
      7 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      8 hrs
   1. Select PHY 2048 & L (PR:MAC 2311)
      2. Prefer BSC 2010C & L
      4 hrs + GEP

2. Common Program Prerequisites (15 hrs)
   COP 3223 C Programming
   MAC 2311 Calculus with Analytic Geom I
   MAC 2312 Calculus with Analytic Geom II
   PHY 2048 & L Physics for Engr. & Sci. I & Lab
   PHY 2049 & L Physics for Engr. & Sci. II & Lab
   Select two science courses designed for majors
   4 hrs + GEP
   Examples of acceptable science courses include:
   BSC 2010C Bio I
   BSC 2011C Bio II
   CHM 2045C Chem Fund I
   CHM 2046 Chem Fund II
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements (25 hrs)
   COP 3320 Intro to OOP Programming
   COP 3502C Computer Science I
   COP 3503C Computer Science II
   STA 2023 Statistical Methods I
   ENC 3241 Technical Report Writing
   3 hrs
   EEL 3801 Computer Organization
   COT 3100C Intro to Discrete Structures
   CIS 3360 Security in Computing
   COP 3402 Systems Software
   COT 3960 Fundat. Exam (PR:COT 3100C & COP 3502C) 0 hrs

4. Advanced Core (20 hrs)
   Students must maintain at least a 2.5 GPA in the following courses
   Only the highest grade is used in the calculation.
   COP 4331C Processes for OO Software Development
   EEL 4768C Comp. Architecture
   COP 4210 Discrete Comp Structures
   COP 4320 Programming Languages I
   COP 4600 Operating Systems
   COP 4810 Topics in Computer Science
   3 hrs
   3 hrs
   3 hrs
   3 hrs
   3 hrs

5. Restricted Electives (15 hrs)
   4000-5000 level Computer Science courses
   9 hrs
   Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

6. School Exit Requirements
   - Complete an exit survey
   - Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)
   Admission: 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 (variable)
   Select primarily from upper level courses, with the student’s advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - At least 60 semester hours earned after CLEP awarded
   - At least 30 of the last 36 hours of course work must be completed in residency at UCF
   - A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Computer Engineering, Information Technology, Management Information Systems
Related Minor and Certificates: Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks, Interdisciplinary Informatics Technology
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.

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

Equipment Fee
- Full-time Student ...........................................$90 per term
- Part-time Student .............................................$45 per term
1. UCF General Education Program for Students of High Academic Standing (36+2 hrs)

The UCF General Education Program (GEP) is described in the Catalog. Engineering students must satisfy all requirements of the UCF GEP and the allowable substitutions detailed in the Undergraduate Catalog. Each student is assigned a qualified engineering academic advisor in the department of his/her major. 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
   1. ENC 1101 & ENC 1102
   2. Prefer SPH 1003

B. Cultural and Historical Foundations
   - 9 hrs
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
   - 7 hrs
   1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations
   - 6 hrs
   1. Select ECO 2013 or ECO 2023
   2. ANT 2000, PSY 2012, or SYG 2000

E. Science Foundations
   - 7 hrs
   1. Select PHY 2048/48L (PR: MAC 2311)
   2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
</tr>
<tr>
<td>EGN 3310*</td>
<td>Engineering Analysis - Statics</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics</td>
</tr>
<tr>
<td>EGN 3331*</td>
<td>Mechanics of Materials</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Intro to Environmental Engineering</td>
</tr>
<tr>
<td>STA 3030</td>
<td>Probability &amp; Statistics for Engineers</td>
</tr>
<tr>
<td>CCE 4813</td>
<td>Mech &amp; Elec Systems for Buildings</td>
</tr>
<tr>
<td>CCE 4402</td>
<td>Construction Equip &amp; Productivity</td>
</tr>
<tr>
<td>CEN 3510C</td>
<td>Civil Engineering Materials</td>
</tr>
<tr>
<td>CCE 4004</td>
<td>Construction Methods</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Estimating &amp; Scheduling</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Intro to the Construction Industry</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
</tr>
<tr>
<td>CES 4010C</td>
<td>Structural Analysis I</td>
</tr>
<tr>
<td>CES 4702</td>
<td>Reinforced Concrete Structures</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
</tr>
<tr>
<td>ACC 2071</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>SUR 2100C</td>
<td>Surveying</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>Transportation Engineering</td>
</tr>
</tbody>
</table>

3. Courses Required for the Major (62 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements. A “C” (2.0) or better is required for those courses in section 3. marked with an asterisk(*).

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
</tr>
<tr>
<td>CHM 2045C</td>
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<td>Engineering Analysis - Statics</td>
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<tr>
<td>EGN 3321</td>
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<tr>
<td>EGN 3331*</td>
<td>Mechanics of Materials</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Intro to Environmental Engineering</td>
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<td>CCE 4034</td>
<td>Construction Estimating &amp; Scheduling</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Intro to the Construction Industry</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
</tr>
<tr>
<td>CES 4010C</td>
<td>Structural Analysis I</td>
</tr>
<tr>
<td>CES 4702</td>
<td>Reinforced Concrete Structures</td>
</tr>
<tr>
<td>or CES 4605</td>
<td>Steel Structures</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
</tr>
<tr>
<td>ACC 2071</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>SUR 2100C</td>
<td>Surveying</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>Transportation Engineering</td>
</tr>
</tbody>
</table>

4. Approved Engineering Science Electives (3 hrs)

Engineering Science electives are available in the BSCEnE program to address specific student interests in a variety of technical areas. Students are encouraged to take EGN 3343 (Thermodynamics), EGN 3373 (Principles of Elect Engr), CWR 4101C (Hydrology), or CWR 4203C (Hydraulics) as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. 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.

5. Departmental Graduation Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4810C</td>
<td>Construction Engr. Design Project</td>
</tr>
<tr>
<td>CEG 4801C</td>
<td>Geotechnical Engr. Design</td>
</tr>
</tbody>
</table>
UCF Degree Programs

- Construction engineering students must take the Fundamentals Exam during their Senior year.
- Earn a graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved Conf project design courses.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A 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 CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Civil Engineering, Environmental Engineering

Related Minors: Mathematics, Engineering Leadership

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.

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 Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

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 departmental academic advisor, be moved to the area 4. Approved Technical Electives.

Construction Engineering – 128 semester hours required

FIRST YEAR

Fall 14 hrs  Spring 15 hrs

- ENC 1101 English Comp I  3  - ENC 1102 English Comp II  3
- MAC 2311 Calc w/Analy Geo I  4  - MAC 2312 Calc w/Analy Geo II  4
- ANT/PSYSYG  3
- ECO 2013 Microeconomics  3
- EGN 1006C Intro To Eng Prof  1

SECOND YEAR

Fall 16 hrs  Spring 16 hrs

- MAC 2313 Calc w/Analy Geo III  4  - MAP 2302 Diff Equations  3
- CHM 2045/L Chem Funds I  3  - CHM 2346 Chemistry Funds II  3
- HUM/AMHEUH - I  1
- EGN 3310 Engr Anal - Statics  3  - HUM/AMHEUH - II  3
- EGN 3613 Engr Econ Anal  3  - EGN 3331 Mech of Materials  3

Summer 9 hrs

- SPC 1603 Tech Presentations  3
- STA 3032 Prob/Stats Engineers  3
- ENV 3001 Intro to Environ Eng  3

THIRD YEAR

Fall 16 hrs  Spring 15 hrs

- EGN 3321 Engr Anal-Dynamics  3  - Engineering Science Elective  3
- CCE 4003 Intro Constr. Industry  3  - CES 4702 Reinforced Concrete  3
- CES 4100C Structural Analysis I  4  - or CES 4605 Steel Structures  3
- *HUM/AMH/EUH - II  3
- CCE 4004 Construct Methods  3  - CES 4004 Construct Methods  3
- CES 4705 Constr Surveying  3  - SUR 2101C Surveying  3
- CGN 3501C Civil Engg Materials  3  - CWR 3201 Eng Fluid Mechanics  3

FOURTH YEAR

Fall 15 hrs  Spring 12 hrs

- TTE 4004 Transportation Eng  4  - CCE 4810C Constr Design Project  3
- CCE 4304 Constr Est & Sched  3  - CCE 4402 Constr Equip & Prod  3
- CEG 4011L Geotechnical Engr  3  - CEG 4801C Geotech Engr Design  3
- CCE 4813 Mech & Elec Bldgs  3  - AGC 2071 Prin Mgrl Accounting  3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Engineering Science Elective may be satisfied by taking either EGN 3343, EGN 3373, CWR 4101C or CWR 4203C, other courses must be approved by the Program Director.
3. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
4. EGN 1006C and EGN 107C 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 4. Approved Technical Electives.
5. Students must earn a minimum grade of “C” (2.0) in EGN 3310 or its equivalent and EGN 3311 or its equivalent before registering for subsequent courses.

BS to PhD Program

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.

CRIMINAL JUSTICE (B.A./B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu

Undergraduate Program Director: Mary Ann Eastep

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 prior to transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites: none

3. Core Requirements (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014 Crime in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3510 Prosecution and Prosecution</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3010 Corrections and Penology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014 Police and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4701 Research Methods in Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
</tbody>
</table>
UCF Degree Programs

4. Upper Division 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.

5. Upper Division Unrestricted Electives
- none

6. Departmental Exit Requirements (120 hrs)
- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120 hrs

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.
Transfer Notes: "D" (1.0) grades are not accepted.

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

Tentative Course Schedule for Entering Freshmen

Freshman Year

- Fall
  - ENC 1101 3
  - MGF 1106 or MAC 1105 3
  - PSY 2012 or SYG 2000 or ANT 2000 3
  - EUH 2000 or HUM 2210 3
  - or AMH 2010 3
  - or ARH 2050 3
  - or SPF 2102 2

- Spring
  - ENC 1102 3
  - MGF 1106 or MAC 1105 3
  - PSY 2012 or SYG 2000 or ANT 2000 3
  - EUH 2000 or HUM 2210 3
  - or AMH 2010 3
  - or ARH 2050 3
  - or SPF 2102 2

Sophomore Year

- Fall
  - SPC 1608 3
  - EUH 2001 or HUM 2230 or AMH 2020 3
  - BSC 1005 or MCB 1310 or GLY 1030 or PSC 1121 or ANT 2511 3
  - or CJL 3510 3
  - or SPF 2102 2

- Spring
  - SPC 1609 3
  - EUH 2001 or HUM 2230 or AMH 2020 3
  - BSC 1005 or MCB 1310 or GLY 1030 or PSC 1121 or ANT 2511 3
  - or CJL 3510 3
  - or SPF 2102 2

Junior Year

- Fall
  - ENC 2041 or ANT 2511 3
  - or CJL 3510 3
  - or CJL 3510 3
  - or CJL 3510 3
  - or SPF 2102 2

- Spring
  - ENC 2041 3
  - or CJL 4701 3
  - or CJL 4701 3
  - or CJL 4701 3
  - or SPF 2102 2

Senior Year

- Fall
  - CJ Elective 3
  - CJE 4014 3
  - or CJL 4701 3
  - or CJL 4701 3
  - or CJL 4701 3

- Spring
  - CJ Elective 3
  - CJE 4014 3
  - or CJL 4701 3
  - or CJL 4701 3
  - or CJL 4701 3

CJ Elective 3
CJ Elective 3
Supporting Elective/Foreign Language 3
Supporting Elective/Foreign Language 3

CRIMINAL JUSTICE (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

DIGITAL MEDIA (B.A.)

College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu

Interim Chair: Dr. José Maunez-Cuadra, 407-823-6100

The UCF Digital Media Program 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 College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Three specializations – game design, web design, and visual language — lead to a Bachelor of Arts degree.

Note: Although the Department of Digital Media maintains a small computer lab for student use, Digital Media majors must have continual access to a computer. Contact the UCF Computer Store or see the Web site (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

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 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the Department of Digital Media at UCF.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the Department of Digital Media’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
- Select from approved list of courses
- 9 hrs

B. Cultural and Historical Foundations
- Select ARH 2050 or ARH 2051
- 9 hrs

C. Mathematical Foundations
- Select MAC 1105 College Algebra
- 6 hrs

D. Social Foundations
- Select approved list of courses
- 3 hrs

2. Common Program Prerequisites (6 hrs)

- Select approved list of courses
- 6 hrs
3. Digital Media Core (24 hrs)

Note: Admission to all courses after DIG 2000 is dependent on the student's achieving at least a 'B' (3.0) in DIG 2000.

- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2100C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3580C Computer as a Medium 3 hrs
- DIG 4780C Modeling For Real-time Systems I 3 hrs

4. Specializations. Choose one of the following two areas:

4.1 Game Design: (42 hrs)

Note: Admission to all courses after DIG 4713 is dependent on the student's achieving at least a 'A' (4.0) in DIG 4713.

4.1.A: Game Design - Basic Concentration: (24 hrs)

- COP 3223 Introduction to Programming with C 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- DIG 4713 Game Design 3 hrs
- DIG 4715C Game Production 3 hrs
- DIG 4720C Casual Game Production 3 hrs
- DIG 4530C Media for E-Commerce I 3 hrs
- FIL 3720C Introduction to Animation 3 hrs
- GRA 3151C Illustration 3 hrs

4.1.B: Game Design – Restricted Electives: (18 hrs)

Complete 18 hours of credits from the following areas:

Note: DIG 4725C must be taken at least two times. It is repeatable for credit.

- DIG 4725C Game Design Workshop 6 hrs
- 12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.2 Web Design: (42 hrs)

4.2.A: Web Design – Basic Concentration: (24 hrs)

- DIG 3134 Media Software Design 3 hrs
- DIG 3563 Information Management & Entrepreneurship 3 hrs
- DIG 3716C Internet Interaction 3 hrs
- DIG 3811 User Centered Design 3 hrs
- DIG 4630C Media Business Practices 3 hrs
- DIG 4503 Rapid Application Web Development 3 hrs
- DIG 4530C Media for E-Commerce I 3 hrs
- GRA 3801C Intermediate Computer Graphic Design 3 hrs

4.2.B: Web Design – Restricted Electives: (18 hrs)

Complete 18 hours of credits from the following areas:

Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

- DIG 4104C Web Design Workshop 6 hrs
- 12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.3 Visual Language: (46 hrs)

4.3.A: Visual Language Core: (15 hrs)

- DIG 3951 Portfolio Review 3 hrs
- ART 3643C Digital Effects & Compositing 3 hrs
- DIG 4325C Look Modeling Workshop 3 hrs
- DIG 4326C Geometric Modeling Workshop 3 hrs
- FIL 3720C Introduction to Animation 3 hrs
- FIL 3734C Intermediate Animation 3 hrs

4.3.B: Visual Language – Basic Concentration: (24 hrs)

- DIG 3355C Artificial Environments & Effects 3 hrs
- DIG 3433C Visual Storytelling & Visual Development 3 hrs
- DIG 4335C Artificial Environments & Effects Workshop 3 hrs
- DIG 4206C New Imagery in Motion 3 hrs
- DIG 4394C Motion Graphics Advanced Compositing 3 hrs
- DIG 4434C Narrative Technology in the Moving Image 3 hrs
- DIG 4468C Visual Language of the Moving Image II 3 hrs
- DIG 4451C Visual Story & Visual Development Workshop 3 hrs

4.3.C: Character Animation – Restricted Electives: (7 hrs)

Complete 7 hours of credits from the following areas:

Note: DIG 4713 must be taken at least two times. It is repeatable for credit.

- Art, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts.

5. Foreign Language Requirements (0-8 hrs)

BA requirements:

- Admission: 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.

6. Unrestricted Electives (Varies with Track)

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 Digital Media.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

Related Programs: Art, Computer Science, English, Film, Music

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.

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 Fee

- Full-time Student $90 per term
- Part-time Student $45 per term

E-MAIL: rsw@ucf.edu

http://education.ucf.edu/ece/

E-mail: ece@mail.ucf.edu

Program Coordinator: Dr. Judy Levin, ED 122L 407-823-4615;
E-mail: jlevin@mail.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community or state college
- 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/or CLAST examination (no alternatives or waivers are accepted).
- Complete education common program 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 should seek advising through the Early Childhood 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 Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
UCF Degree Programs

- FTCE General Knowledge Test (GKT) – (if CLAST was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 3930C Seminar Course.
- 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 (36 hrs)

A. Communication Foundation
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation
1. General Education Program elective from section B1. 3 hrs
2. General Education Program elective from section B2: Prefer REL 2300 World Religions, or PHI 2010 Introduction to Philosophy, or LIT 2110 World Literature I, or LIT 2120 World Literature II 3 hrs
3. General Education Program elective: Prefer second course from GEP section B1. 3 hrs

C. Mathematical Foundation
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 106C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: 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.

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

3. Other Program Requirements (15 hrs)

MAC 1105 College Algebra or 3 hrs
MAE 2801 Elem Schl Math 4 hrs
EDF 2130* Child and Adolescent Development 3 hrs
EDF 2720* Children in Schools: Legal, Ethical And Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children or similar course 3 hrs

Select one:
ARE 2011 Early Childhood Art and Creativity 3 hrs
MUE 2111 Early Childhood Music and Movement 3 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Early Childhood Education Program Recommended Sequence of Required Upper Division Courses

Notes:
- 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.
- Early Childhood Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in this program are working toward certification in PreK-Primary (PK-3) with ESOL Endorsement. They 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 Early Childhood Education major’s program and to integrate theory and practice in actual school settings. Throughout the program, students document and reflect upon their achievements in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required at the time of application to EEC 3930C Seminar Course.

Semester II (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4258</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children with Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.

Semester III (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAF 4300</td>
<td>Math Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Science Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3930C</td>
<td>Early Childhood Education Seminar – Bridging Theory to Practice (This course includes in-school field experiences.)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Based on recommendations above, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Internship.
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

Semester IV (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943</td>
<td>Student Teaching – Internship</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

- 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.

5. Foreign Language Requirements (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.)

6. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.
7. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residency at UCF
   ■ 25% of course work must be completed in residency at UCF
   ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

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

9. Recommended Four-Year Sequence of Courses
   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  Spring 15 hrs
EDF 2005 Intro to the Teaching Prof 3  EDF 2085 Intro to Diversity for Ed 3
ENC 1101 English Composition I 3  ENC 1102 English Composition II 3
MGF 1106 Finite Mathematics 3  MAC 1105 College Algebra 3
PSY 2012 General Psychology 3  PSC 1121 Physical Science 3
REL 2300 World Religions or 3  PHI 2013 Intro to Phipisy or
LIT 2110 World Lit I or 3  LIT 2110 World Lit II or
Summer 6 hrs
POS 2041 Amer National Gov or 3  ARE 2011 EC Art & Creativity or 3
MUE 2211 EC Music & Move 3

Sophomore Year
Fall 15 hrs  Spring 12 hrs
SPC 1608 Fund of Oral Comm 3  EDF 2130 Child and Adol Dev Ed* 3
EME 2040 Intro to Tech for Educators 3  EME 2050 Child in Sch; Legal, 3
BSC 1005 Biological Principles or 3  PHI 2013 Intro to Phipisy or
ANT 2511 The Human Species 3  LIT 2110 World Lit I or
STA 214C Princ of Stats or 3  LIT 2120 World Lit II
STA 1060C Basic Stats using MS Excel 3  GEP B3 elective (Preferred AMH 2010) 3
*Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.

Summer 6 hrs
POS 2041 Amer National Gov 3  ARE 2011 EC Art & Creativity 3
MUE 2211 EC Music & Move 3

Junior Year
Fall 15 hrs  Spring 15 hrs
ECO 2023 Principles of Microeconomics 3  ECO 3401 Quantitative Business Tools I 3 hrs
ECO 2013 Principles of Macroeconomics GEP  3 hrs
ECON 3700 Soc & Emo Dev of Young 3  ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 4663 EC Ed Theory and Pract 3  ECO 3401 Quantitative Business Tools I 3 hrs
REO 3310 Early Read, Writ & Lang Arts 3  **ECO 3411 Quantitative Business Tools II 4 hrs
ECH 4751 Parent Involvement 3  ECO 4451 Research Methods in Economics 3 hrs
TSL 4080 Theory & Prac of Teaching 3  *At UCF, students who have completed MAC 2233 (or any Calculus I & II sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
ESOL Students in Schools 3
*Highly recommend to take and pass PEEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.

Summer 6 hrs
ECO 4303 Plan Creat Activities in EC 3  RED 3012 Basic Found of Read 3

Senior Year
Fall 12 hrs  Spring 12 hrs
MAE 3400 Math Curr & Assess in EC 3  EEC 4943 Student Teach-Intern 12
SCE 4304 Sci Curr & Assess in EC 3  
RED 4311 Prim Read, Writ, & Lang Arts Curr and Asses 3
ECE 3930C ECE Seminar Bridging Theory to Prac (This course includes in-school field experiences.) 3  

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Preferred: SPC 1608
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 3 hrs
      Select MAC 1140 Pre-Calculus Algebra (or Calculus)
   D. Social Foundations 3 hrs
      Select STA 2023 Principles of Statistics
      Select STA 2023 Principles of Statistics
      Select one: PSY 2012, SYG 2000 or ANT 2000 3 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

3. Core requirements (16 hrs)
   ECO 3101 Intermediate Microeconomics 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   **ECO 3401 Quantitative Business Tools I 3 hrs
   ECO 4451 Research Methods in Economics 3 hrs
*At UCF, students who have completed MAC 2233 (or any Calculus I & II sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
**STA 4613 or STA 4321 may substitute for ECO 3411.

4. Upper Division Restricted Electives (18 hrs)
   All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

4.1 PRE-LAW TRACK
   Restricted electives (9 hrs)
   ECO 4751 Law and Economics 3 hrs
   ECO 4303 History of Economic Thought 3 hrs
   EDF 4403 Industrial Organization and Game Theory 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
4.2 POLITICAL ECONOMY TRACK
Restricted electives (9 hrs)
ECO 4504 Public Economics
ECO 4303 History of Economic Thought
ECS 4013 Economics of Developing Areas
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

4.3 PRIVATE ENTERPRISE TRACK
Restricted electives (9 hrs)
ECO 3223 Money and Banking
ECP 3203 Labor Economics
ECP 4402 Industrial Organization and Game Theory
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

4.4 INTERNATIONAL TRACK
Restricted electives (9 hrs)
ECO 3703 International Trade
ECO 4704 International Macroeconomics
ECS 4013 Economics of Developing Areas
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

4.5 ECONOMICS OF GOVERNMENTAL REGULATION
Restricted electives (9 hrs)
ECP 4302 Environmental & Natural Resource Economics
ECO 4505 Public Economics
ECP 3203 Labor Economics
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

4.6 GENERAL TRACK (18 hrs)
Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

It is possible to have a double track; however, only the first designated track will show on the transcript.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
ECO 3703 International Trade
ECO 4412 Econometrics
ECO 3410 Mathematical Economics
ECO 4504 Public Economics
ECP 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411. Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with the Department’s major advisors on the appropriate minors to be paired with different tracks.

5. Required Minor (18 hrs min)
Completion of a minor in one of the following suggested areas: Mathematics, Statistics, Legal Studies, Environmental Studies, Finance, Real Estate, Business, Digital Media, Computer Science, History, English, or any of the Social and Behavioral Sciences. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

6. 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.

7. Foreign Language Requirements (0-8 hrs)
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: 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 (variable)
Select primarily from upper level courses, with departmental advisor’s approval.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics B.S.B.A., Accelerated B.A./M.S.

Related Minors: Statistics, Mathematics, Legal Studies, Political Science, Psychology, Sociology, Computer Science

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.

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 Fee
- Full-time Student ........................................... $30 per term
- Part-time Student ............................................ $15 per term

Four Year Plan of Study – B.A. Economics

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ECO 2023* Microeconomics 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1608 3 Art/Music/Lit 3
MAC 1401* (or Calculus) 3 ENC 1102* 3
ECO Elective 3 STA 2023* 3
Minor** 3 Minor** 3
**Elective 3 **Elective 3
Must complete 9 hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2013* Macroeconomics 3 ECO 3101 Inter Microeconomics 3
**Elective 3 Science 3
Psych/Soc/Ant 3 ***Elective 3
ECO 3401 (if no prior Calculus) 3 **Elective 3
Foreign Language 3 Foreign Language 3
**C (2.0) or better grade required in each class

Junior
1st Term 16 hrs 2nd Term 15 hrs
ECO 3203 Inter Macroeconomics 3 ECO Elective 3
ECO 3411 (or STA 4163 or 4321) 3 ECO Elective 3
ECO Elective 3 Minor** 3
Minor** 3 Minor** 3
**Elective 3 **Elective 3

Senior
1st Term 15 hrs 2nd Term 14 hrs
ECO Elective 3 ECO 4451 Research Methods 3
ECO Elective 3 Minor** 3
ECO Elective 3 **Elective 3
Minor** 3 Minor** 3
**Elective 3 **Elective 2

**18 hours (minimum) of minor required.
***General electives as required to reach 120 semester hours.
ECONOMICS, BUSINESS (B.S.B.A.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not eligible for a double degree with another College of Business Administration major or a BA in Economics

Undergraduate Advising: BA2 101, 407-823-2184;
Advisors: Michael Caputo, BA2 302Q, 407-823-1405,
E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

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. Several flexible tracks allow students to customize their education 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 for Business Economics

- Completion of the UCF General Education program, and the Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Preferred: SPC 1608
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus Algebra (or Calculus) 3 hrs
      Select CJS 2000 Computer Fundamentals for Business 3 hrs
   D. Social Foundations
      Select ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
      3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000
   E. Science Foundation
      6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   *ECO 3401 Quantitative Business Tools I* 3 hrs
   *CGS 2100 Computer Fundamentals for Business 3 hrs
   *At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   BUL 3130 Legal & Ethical Environ. of Business 4 hrs
   ECO 3411** Quantitative Business Tools II 4 hrs
   FIN 3403 Business Finance 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAR 3023 Marketing 4 hrs
   Last Semester:
   MAN 4720 Strategic Management 4 hrs
   **STA 4163 or STA 4321 may substitute for ECO 3411

4. Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Final exams will be given during Exam Week.

5. 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

6. Upper Division Restricted Electives (15 hrs)
   All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

6.1 BUSINESS ECONOMICS TRACK
   Restricted electives (9 hrs)
   ECP 3203 Labor Economics
   ECP 4403 Industrial Organization and Game Theory
   ECO 3223 Money and Banking
   Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.2 INTERNATIONAL TRACK
   Restricted electives (9 hrs)
   ECO 3703 International Trade
   ECO 4704 International Macroeconomics
   ECS 4013 Economics of Developing Areas
   Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.3 PRE-LAW TRACK
   Restricted electives (9 hrs)
   ECO 4751 Law and Economics
   ECP 3203 Labor Economics
   ECP 4403 Industrial Organization and Game Theory
   Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.4 FINANCIAL ECONOMICS TRACK
   Restricted electives (9 hrs)
   ECO 4412 Econometrics
   ECO 3203 Money and Banking
   ECO 4704 International Macroeconomics
   Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.5 ECONOMICS OF GOVERNMENTAL REGULATION TRACK
   Restricted electives (9 hrs)
   ECP 4302 Environmental & Natural Resource Economics
   ECO 4504 Public Economics
   ECP 3203 Labor Economics
   Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.6 GENERAL TRACK
   Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor’s approval. It is possible to have a double track; however, only the first designated track will appear on the transcript.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411.
UCF Degree Programs

7. Foreign Language Requirements (0-8 hrs)
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.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
Total Semester Hours Required 120 hrs

Related Programs: Economics B.A., Accelerated B.A./M.S.

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, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

ACG X001 and X011 will substitute for ACG 2021 at UCF.

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.

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

Equipment Fee
- Full-time Student: $30 per term
- Part-time Student: $15 per term

Four Year Plan of Study - Business Economics

Freshman
1st Term 15 hrs 2nd Term 15 hrs
- ENC 1101* 3
- MAC 1140* 3
- SPC 1603 3
- **Elective 3
- Must complete 9 hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
- ECO 2013* 3
- ACG 2021* 3
- Science 3
- **Elective 3

***Elective 3

ECONOMICS (B.A./M.A.A.E.)
Accelerated Undergraduate-Graduate Program
Note: For detailed information about this program, see the description in the “Accelerated Undergraduate-Graduate Programs” section.

ECONOMICS
See also Mathematics - Mathematical Economics Track

ELECTRICAL ENGINEERING (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.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 (36+2 hrs)

Engineering Students

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in the 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
- 1. ENC 1101 & ENC 1102

B. Cultural and Historical Foundations
- 9 hrs
- 1. Select two courses from Historical Foundations

C. Mathematical Foundations
- 7 hrs
- 1. Select two courses from History Foundations

D. Social Foundations
- 6 hrs
- 1. Select two courses from Social Foundations

E. Science Foundations
- 7 hrs
- 1. Select PHY 2048/48L, MAC 2311

2. Common Program Prerequisites (CPP’s) (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 ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).

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Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

**CHS 1440** Fundamentals of Chemistry for Eng 4 hrs

(CHEM 2045/245L will substitute)

**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 2048/48L** Physics for Engineers & Scientists I GEP

**PHY 2049/49L** Physics for Engineers & Scientists II 4 hrs

**ENC 1101** Composition I GEP

**ENC 1102** Composition II GEP

Humansities Courses GEP

Social Science Courses GEP

Humansities or Social Sciences GEP

See "Common Prerequisites" in the Transfer and Transitions Sections service for more information.

3. Courses Required for the Engineering Core (14 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

**EGN 1006C** Intro to the Engineering Profession 1 hr

**EGN 1007C** Engineering Concepts & Methods 1 hr

**EGN 3310** Engineering Analysis - Statics 3 hrs

**EGN 3321** Engineering Analysis - Dynamics or

**EGN 3358** Thermo-Fluids-Heat Transfer 3 hrs

**EEL 3420** Engineering Analysis 3 hrs

**STA 3032** Probability & Statistics for Engineers GEP

**PHY 3101** Physics for Engineers & Scientists II 3 hrs

4. Courses Required for the Major (41 hrs)

**EEL 3004** Electrical Networks 3 hrs

**EEL 3123C** Networks and Systems 4 hrs

**EEL 3350** Semiconductor Devices I 3 hrs

**EEL 3370C** Electronics I 4 hrs

**EEL 3342C** Digital Systems 3 hrs

**EEL 3470** Electromagnetic Fields 3 hrs

**EEL 3552C** Analog and Digital Communications 4 hrs

**EEL 3657** Linear Control Systems 3 hrs

**EEL 3801** Computer Organization 3 hrs

**EEL 4309C** Electronics II 4 hrs

**EEL 4750** Digital Signal Processing Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

5. Approved Technical 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 and wireless communications. 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. Departmental Graduation Requirements (6 hrs)

**EEL 4914** Senior Design I 3 hrs

**EEL 4915L** Senior Design II 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

**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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A 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 CLAST, and nine semester hours of Summer credit.

**Total Semester Hours Required:** 128 hrs

**Related Programs:** Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

**Related Minors:** Engineering Leadership, Intelligent Robotic Systems

**Transfer Notes:**
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

**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 Fee**
- Full-time Student: $90 per term
- Part-time Student: $45 per term

**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.

**Electrical Engineering - 128 semester hours required**

**FIRST YEAR**

**Fall** 14 hrs

**EGL 1006C** Intro to Engr 1

**EGL 1007C** Eng Conc & Meth 1

**ECE 2642C** Introduction to Engineering from a Historical Foundation1 3

**MAC 2311 Calc with Analytic Geo I** 4

**MAC 2312 Calc with Analytic Geo II** 4

**EEL 3470** Electromagnetic Fields 3 hrs

**EEL 3552C** Analog & Dig Comm 4 hrs

**EEL 3657** Linear Control Systems 3 hrs

**EEL 3801** Computer Organization 3 hrs

**EEL 4309C** Elec & Elec Sys 4 hrs

**EEL 4750** Digital Signal Processing Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**Spring** 15 hrs

**EGL 1006C** Intro to Engr 1

**EGL 1007C** Eng Conc & Meth 1

**ECE 2642C** Introduction to Engineering from a Historical Foundation1 3

**MAC 2311 Calc with Analytic Geo I** 4

**MAC 2312 Calc with Analytic Geo II** 4

**Eee 3310** Engr Anal-Statics 3

**EEL 3470** Electromagnetic Fields 3 hrs

**EEL 3552C** Analog & Dig Comm 3 hrs

**EEL 3657** Linear Control Systems 3 hrs

**EEL 3801** Computer Organization 3 hrs

**EEL 4309C** Elec & Elec Sys 4 hrs

**EEL 4750** Digital Signal Processing Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**SECOND YEAR**

**Fall** 17 hrs

**EEL 3004** Electrical Networks 4

**EEL 3123C** Networks and Systems 4 hrs

**EEL 3370C** Electronics I 4 hrs

**EEL 3342C** Digital Systems 3 hrs

**EEL 3470** Electromagnetic Fields 3 hrs

**EEL 3552C** Analog and Digital Communications 4 hrs

**EEL 3657** Linear Control Systems 3 hrs

**EEL 3801** Computer Organization 3 hrs

**EEL 4309C** Electronics II 4 hrs

**EEL 4750** Digital Signal Processing Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**Spring** 15 hrs

**EEL 3004** Electrical Networks 4

**EEL 3123C** Networks and Systems 4 hrs

**EEL 3370C** Electronics I 4 hrs

**EEL 3342C** Digital Systems 3 hrs

**EEL 3470** Electromagnetic Fields 3 hrs

**EEL 3552C** Analog and Digital Communications 4 hrs

**EEL 3657** Linear Control Systems 3 hrs

**EEL 3801** Computer Organization 3 hrs

**EEL 4309C** Electronics II 4 hrs

**EEL 4750** Digital Signal Processing Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**Summer** 10 hrs

**EEL 3342C Dig Systems** 3

**EEL 3123C Networks and Systems** 4

**Social Foundations 1** 3

**THIRD YEAR**

**Fall** 14 hrs

**EEL 3350** Semicond Devices I 3

**EEL 3702** Anal & Dig Comm 3

**EEL 4767C Embedded Systems** 3

**EGL 3312 Engr Anal-Dynamics** 3

**or EEL 3358 Ther-Flds-Ht Transfer** 3

**EEL 4750** Digital Signal Proc Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**Spring** 17 hrs

**EEL 3350** Semicond Devices I 3

**EEL 3702** Anal & Dig Comm 3

**EEL 4767C Embedded Systems** 3

**EGL 3312 Engr Anal-Dynamics** 3

**or EEL 3358 Ther-Flds-Ht Transfer** 3

**EEL 4750** Digital Signal Proc Fund. 3 hrs

**EEL 4767C** Embedded Systems 4 hrs

**EEL 4914** Senior Design I 3 hrs

**EEL 4915L** Senior Design II 3 hrs

**Fourth Year**

**Fall** 16 hrs

**EEL 4750** Signal Proc Fund 3

**EEL 4740** Electromagnetic Fields 3

**Approved Technical Elective** 3

**EEL 4914 Senior Design I** 3 hrs

**EEL 4915L Senior Design II** 3 hrs

**Notes:**
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Assumes knowledge of a course in programming language.
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only.
4. The credits for these two courses (one hour each) may, with prior approval of the Department academic advisor, be moved to the area 5. Approved Technical Electives.

**Accelerated BS/MS Degree Program**

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 the Catalog for more information.
## Degree Requirements

### 1. UC General Education Program (36±2 hrs)
- **A. Communication Foundations**
  - 9 hrs
- **1. ENC 1101 & 1102**
- **2. Prefer SPC 1603**
- **B. Cultural and Historical Foundations**
  - 9 hrs
- **C. Mathematical Foundations**
  - 6 hrs
- **1. Select MAC 2311**
- **2. Select STA 2023**
- **D. Social Foundations**
  - 6 hrs
- **E. Science Foundations**
  - 8 hrs
- **1. Select PHY 2053C**
- **2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C**

### 2. Common Program Prerequisites (CPP) (6/8 hrs)
- **(C (2.0) or better grades are required in all courses)**
  - **MAC 2233** Calculus I
  - **MAC 2231** Calculus w/Analytical Geometry I
  - **MAC 2252** Applied Calculus I or equiv
  - **or MAC 2311** Calculus w/Analytical Geometry II
  - **PHY 2053C** College Physics I or Lab
  - **or PHY 2048/L** Physics for Engrs & Scientists I

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

### 3. Engineering Technology Core Requirements (25 hrs)
- **(C (2.0) or better grades are required in all courses)**
  - **BSC 1050/L, BSC 1060/L, BSC 1070/L, BSC 2010C**
  - **ENC 3241** Writing for the Technical Professional
  - **MAC 1105** College Algebra
  - **MAC 1114** Calculus I
  - **MAC 2235** Applied Calculus I
  - **or MAC 2311**
  - **MAP 3401** Calculus II
  - **or MAC 2312**
  - **PHY 2053C** College Physics I or Lab
  - **or PHY 2048/L**
  - **ETG 3451** Applied Mechanics
  - **ET 3651** Computer Applications
  - **ET 3671** Technical Economic Analysis
  - **ET 4445** Software Engineering
  - **STA 2023** Statistical Methods I

### 4. Technical Specialization (56 hrs)
- **Lower Level Required and Elective Courses** (24 hrs)
  - **EST 3452C** Programmable Logic Controllers
  - **CET 1315C** Digital Fundamentals
  - **CET 2364** System Applications in C
  - **EET 2143C** Electronic Devices & Circuits
  - **EET 2025C** Electrical Circuits
  - **EET 3085C** Electricity and Electronics
  - **8 hrs**

### Upper Level Required Courses (23 hrs)
- **(C (2.0) or better grades are required in all courses)**
  - **CET 3198C** Digital Systems
  - **CET 2124** Microcomputer Technology I
  - **CET 4134C** Microprocessor Electronics II
  - **EET 3716** Network Analysis
  - **EET 4315C** Linear Integrated Circuits
  - **EET 4548C** Power Systems
  - **EET 4732C** Feedback Control Systems

### Upper Level Technical Electives (9 hrs)
Select 9 hours from courses listed below:
- **CET 4138C** Digital Programmable Devices
- **CET 4333** Computer Organization & Design
- **CET 4931** Current Topics in Tech
- **EET 4239C** Communication Systems
- **EET 4339C** Antennas and Propagation
- **EET 4359C** Digital Communications
- **EST 3222** Intro to Photonics

### 5. Departmental Exit Requirement (3 hrs)
- **ETG 4950C** Senior Design Project
- **A grade of 2.0 or better is required in all prerequisites.**

### 6. Foreign Language Requirements (0-8 hrs)
- **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

### 7. Approved Technical Electives
- Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

### 8. University Minimum Graduation Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A 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 CLAST, and nine semester hours of Summer credit (if applicable)

### Total Semester Hours Required: 128 hrs

### Related Programs:
- Electrical Engineering Technology (Computer Systems Concentration)
- Interdisciplinary Informatics Technology

### Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution may have already satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have already satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges may not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

### 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 Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Tentative Course Schedule for the Electrical Systems Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
<td>STA 2023 Statistical Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Biological science</td>
<td>4 hrs</td>
<td>MAC 1114 Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 hrs</th>
<th>Spring</th>
<th>13/14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Oral Communications</td>
<td>3 hrs</td>
<td>MAC 2253 Applied Calc I</td>
<td>3/4 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I</td>
<td>3 hrs</td>
<td>PHY 2054C College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Cultural/Historical Foundation</td>
<td>4 hrs</td>
<td>ETI 3116 App Eng Quality Assur</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 3651C Computer Appl</td>
<td>3 hrs</td>
<td>ETG 3541 Applied Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 2364 Sys Appl in C</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>7 hrs</td>
<td>ENC 3241 Writing Tech Pros</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EET 3085C Electricity and Electro</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13/14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 3401 Problem Analysis</td>
<td>3/4 hrs</td>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or MAC 2312 Calculus II</td>
<td>3 hrs</td>
<td>or MAC 2254 Applied Calc II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EET 2025C Electrical Circuits</td>
<td>4 hrs</td>
<td>CET 3198C Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3115C Digital Technology</td>
<td>4 hrs</td>
<td>CET 3671 Tech Economic Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Lower level elective</td>
<td>2 hrs</td>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Summer</td>
<td>10 hrs</td>
<td>CET 4134C Microprocessor Elec II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EET 3143C Elect Devices and Circuits</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Upper level elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 4548C Power Systems</td>
<td>4 hrs</td>
<td>EET 4950C Sr. Design Proj</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EET 4158C Linear Int Cir</td>
<td>4 hrs</td>
<td>Upper level elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EET 3532C Programmable Logic Cont</td>
<td>3 hrs</td>
<td>EET 4732C Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper level elective</td>
<td>3 hrs</td>
<td>CET 4448 Applied Project Mgmt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 2124 Microcom Tech I</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)

**A.S. to B.S.E.E.T. CONCENTRATION**

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

### ELEMENTARY EDUCATION (B.S.)

**College of Education**

**Department of Teaching and Learning Principles**

**ED 209**

[http://education.ucf.edu/elemed/](http://education.ucf.edu/elemed/)

Program Coordinators: Dr. Karri Williams and Dr. Robert Everett

E-mail: kjwillia@mail.ucf.edu, everett@mail.ucf.edu

### 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 and/or CLAST examination (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

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 hrs</td>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>9 hrs</td>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>3 hrs</td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

#### 2. Education Common Program Prerequisites

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 hrs</td>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>3 hrs</td>
<td>STA 2023</td>
<td>Statistical Methods</td>
</tr>
<tr>
<td>3 hrs</td>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>3 hrs</td>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
</tbody>
</table>

#### 3. Other Program Requirements

- **C. Mathematical Foundation**
  - Select: MAC 1105 College Algebra or MGF 1106 Finite Mathematics or MGF 1107
  - 3 hrs
- **D. Social Foundation**
  - 3 hrs
- **E. Science Foundation**
  - 3 hrs

### 4. Lower Division Electives

7 hrs

Note: Students are advised to take the preferred courses.

### 2. Education Common Program Prerequisites

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>3 hrs</td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

#### B. Cultural-Historical Foundation

1. Prefer: AMH 1920 U.S. History 1492-1877
   - 3 hrs
2. Prefer: ARH 2050 The History of Art I, or ARH 2051 The History of Art II, or MUL 2010 Enjoyment of Music
   - 3 hrs
3. Prefer: AMH 2020 U.S. History 1877 - present
   - 3 hrs

#### C. Mathematical Foundation

1. Select: MAC 1105 College Algebra or MGF 1106 Finite Mathematics or MGF 1107
   - 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   - 3 hrs

### 3. Other Program Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>3 hrs</td>
<td>STA 1060C</td>
<td>Basic Statistics using MS Excel</td>
</tr>
<tr>
<td>3 hrs</td>
<td>MAC 2311</td>
<td>Calculus w Anly Geo</td>
</tr>
<tr>
<td>3 hrs</td>
<td>MAC 2312</td>
<td>Calculus II</td>
</tr>
<tr>
<td>3 hrs</td>
<td>EET 3716</td>
<td>Network Analysis</td>
</tr>
<tr>
<td>3 hrs</td>
<td>EET 4732C</td>
<td>Feedback Control Systems</td>
</tr>
<tr>
<td>3 hrs</td>
<td>EET 4950C</td>
<td>Senior Design Project</td>
</tr>
<tr>
<td>3 hrs</td>
<td>PET 2081**</td>
<td>Wellness, Children &amp; Schools</td>
</tr>
<tr>
<td>3 hrs</td>
<td>EDF 3210**</td>
<td>Child and Adolescent Development for Educators</td>
</tr>
</tbody>
</table>

#### Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 5. Education Program Recommended Sequence of Required Upper Division Courses

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Mgmt</td>
</tr>
<tr>
<td>3 hrs</td>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
</tr>
<tr>
<td>3 hrs</td>
<td>LAE 4314</td>
<td>Children's Literature</td>
</tr>
<tr>
<td>3 hrs</td>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
</tr>
<tr>
<td>3 hrs</td>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
</tr>
</tbody>
</table>

Note: The following recommended sequence of required upper division courses may vary at regional campus locations.

### Semester I

<table>
<thead>
<tr>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410</td>
</tr>
<tr>
<td>EDF 4467</td>
</tr>
<tr>
<td>LAE 4314</td>
</tr>
<tr>
<td>RED 3012</td>
</tr>
<tr>
<td>TSL 4080</td>
</tr>
</tbody>
</table>

### Semester II

<table>
<thead>
<tr>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 3310</td>
</tr>
<tr>
<td>SSE 3312</td>
</tr>
<tr>
<td>LAE 4314</td>
</tr>
<tr>
<td>RED 4519</td>
</tr>
<tr>
<td>EEX 4070</td>
</tr>
</tbody>
</table>

### Summer

<table>
<thead>
<tr>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
</tr>
<tr>
<td>TSL 4240</td>
</tr>
</tbody>
</table>

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.
UCF Degree Programs

- 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, EDE 4476, 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/clinicaless.
- Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801.

Note: RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester III (Internship I Block) (12 hrs)
- RED 4942 Practicum for Assessment and Instruction 3 hrs
- MAE 4326 How Children Learn Math 3 hrs
- EDE 4223 Integrated Arts and Movement in Elem School 3 hrs
- EDE 3942 Internship I 3 hrs

- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) 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/clinicaless.
- 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.

Semester IV (Internship II) (12 hrs)
- EDE 4943 Internship II 12 hrs

6. Foreign Language Requirements (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.)

7. Departmental Exit Requirements (0-8 hrs)
- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

9. Total Semester Hours Required 120 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

10. Recommended Four-Year Sequence of Courses
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
- EME 2040 Intro to Tech for Educators 3
- ENC 1101 English Composition I 3
- ARH 2020 The History of Art I 3
- MAC 1105 College Algebra 3
- POS 2041 American National Gov 3

Spring 13 hrs
- EDF 2130 Child & Adoleses Dev Ed* 3
- ENC 1102 English Composition II 3
- PSY 2012 General Psychology 3
- MAC 1111 College Algebra 3
- PSC 1121 Physical Science 3
- PSC 1121L Physical Science Lab 1

Summer 6 hrs
- MGF 1106 Finite Mathematics 3
- POS 2041 American National Gov 3

Sophomore Year
Fall 15 hrs
- AMH 2010 U.S. History 1492-1877 3
- MAC 2253 Calcualus I 3
- MAC 2311 Calculus w/Analytical Geometry I 3
- PHY 2053C College Physics I/ Lab 3

Spring 14 hrs
- AMH 2020 US History 1877-present 3
- MAC 2312 Calculus w/Analytical Geometry II 4
- PHY 2053C College Physics II 4
- PHY 2048L Physics for Engrs & Scientists I 4

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year
Fall 15 hrs
- EDG 4410 Teach Strat & Class Mgmt 3
- EDE 4223 Integrated Arts and Movement in Elem School 3
- LAE 3414 Children’s Literature 3
- EDF 2085 Internship I 12

Spring 15 hrs
- RED 4519 Diagn & Corr Read Strat 3
- MAE 2801 Elem Sch Math 4
- STA 2014C Principles of Statistics 3
- EDF 2085 Intro to Diversity for Ed 3
- PET 2081 Wellness, Children & Schools* 1

Senior Year
Fall 12 hrs
- MAE 4326 How Children Learn Math 3
- RED 4942 Practicum for Asmt & Instruct of Reading 3
- EDE 4223 Integrated Arts and Movement in Elem School 3
- EDE 3942 Internship I 3

Spring 12 hrs
- MAE 2801 Elem Sch Math 4
- SCE 3310 Teach Sci in Elem Sch 3
- SSE 3312 Teach Soc Sci Elem Sch 3
- LAE 4314 Teach Lang Arts Elem 3
- EEX 4070 Teach Except Chld 3

ENGINEERING TECHNOLOGY - DESIGN CONCENTRATION (B.S.E.T.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department, ENGR 207

http://ent.ucf.edu

Coordinator: Dr. Eduardo Divo, 407-823-4753, E-mail: edivo@mail.ucf.edu

Admission Requirements
- none

Degree Requirements
- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)
   - Communication Foundations 9 hrs
   - A. ENC 1101 & ENC 1102
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - 1. Select MAC 1105
   - 2. Select STA 2023
   - D. Social Foundations 6 hrs
   - 1. Select PHY 2053C
   - 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP) (C (2.0) or better grades are required in all courses)
   - MAC 2253 Calculus I 3/4 hrs
   - or MAC 2311 Calculus w/Analytical Geometry I 4/5 hrs
   - or MAC 2254 Calculus w/Analytical Geometry II 4/5 hrs
   - or MAC 2312 Calculus w/Analytical Geometry II 4/5 hrs
   - or PHY 2053C College Physics I/ Lab 3
   - or PHY 2048L Physics for Engrs & Scientists I 4

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
### Engineering Technology Core Requirements (21 hrs)

- **ANT 2511**, **BSC 1005**, **BSC 1050**, **GEO 1200**, **GEP**  
- **MCB 1131 or GLY 1030**  
- **ENG 3541** Writing for the Technical Professional 3 hrs  
- **MAC 1105** College Algebra  
- **MAC 1114** College Trigonometry 3 hrs  
- **MAC 2253** Applied Calculus I  
- **or MAC 2311** Calculus w/Analytical Geometry I  
- **MAP 3401** Problem Analysis or **MAC 2312** Calculus w/Analytical Geometry II  
- **PHY 2053C** College Physics I  
- **ETG 3541** Applied Mechanics 3 hrs  
- **ETI 4448** Applied Project Management 3 hrs  
- **ETI 3671** Technical Economic Analysis 3 hrs  
- **ETI 3116** Applied Engineering Quality Assurance 3 hrs  
- **ETI 4653** Technology Administration 3 hrs

### Technical Specialization (60 hrs)

- **ETM 4331C** Applied Fluid Mechanics 4 hrs  
- **ETM 4220** Applied Energy Systems 4 hrs  
- **ETI 3421** Materials & Processes 3 hrs  
- **ETD 3350C** Applied CADD 3 hrs

#### a. Mechanical Technology Track

**Lower Level Required and Elective Courses** (26 hrs)

- **EST 3543C** Programmable Logic Controllers 3 hrs  
- **CHM 1032L** General Chemistry/Lab 4 hrs  
- **CET 2364** Systems Application in C++ 3 hrs  
- **EET 3085C** Electricity and Electronics 4 hrs  
- **or EET 3086**  
- **STA 2023** Statistical Methods I GEP  
- **Approved Lower Level Technical Electives** 12 hrs

#### b. Construction Technology Track

**Upper Level Required Courses** (22 hrs)

- **EST 4502C** Metrology & Instrumentation 4 hrs  
- **ETD 3350C** Applied CADD 3 hrs  
- **ETG 3533C** Applied Enging Strength of Materials 4 hrs  
- **ETI 3421** Materials & Processes 3 hrs  
- **ETM 4220** Applied Energy Systems 4 yrs  
- **ETM 4315C** Applied Fluid Mechanics 4 hrs

#### 4. Technical Specialization (60 hrs)

- **ETI 4448** Applied Project Management 3 hrs  
- **ETI 3418C** Computer Numerical Controls 3 hrs  
- **ETM 4512C** Applied Design of Machine Elements 3 hrs  
- **ETM 4755** Applied Air Conditioning 4 hrs  
- **ETC 4206** Construction Estimating 3 hrs  
- **ETG 4950C** Senior Design Project 3 hrs

### 5. Departmental Graduation Requirement (3 hrs)

- **ETC 4243** Building Systems 3 hrs  
- **ETI 3421** Materials & Processes 3 hrs  
- **ETI 4700** Occupational Safety 3 hrs  
- **ETM 4315C** Applied Fluid Mechanics 4 hrs  
- **ETM 4220** Applied Energy Systems 4 yrs  
- **GIS 3043C** GIS for Environmental Studies 3 hrs  
- **SUR 3324C** Digital Cartography 3 hrs

### 6. Foreign Language Requirements (0-8 hrs)

**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

### 7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

### 8. University Minimum Graduation Requirements

- **A 2.0 UCF GPA**  
- **60 semester hours earned after any CLEP award**  
- **48 semester hours of upper division credit completed**  
- **30 of the last 36 hours of course work must be completed in residency at UCF**  
- **25% of course work must be completed in residency at UCF**  
- **A 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 CLAST, and nine semester hours of Summer credit (if applicable)**

**Total Semester Hours Required** 128 hrs

**Related Programs:** Engineering Technology (Operations Concentration)

**Related Minors:** Interdisciplinary Informatics Technology

**Transfer Notes:**

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.

**ENT Departmental Residency Requirements** consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

**PHY 2048L** and **2049L** substitute for **PHY 2053C** and **PHY 2054C** respectively.

**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 Fee**

- **Full-time Student** ................................................................. $90 per term  
- **Part-time Student** .............................................................. $45 per term

**Tentative Schedule for the Design Concentration**

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

**Engineering Technology – 128 semester hours required**

**Freshman Year**

- **Fall** 13 hrs  
  - **ENC 1101 Composition I** 3  
  - **MAC 1105 College Algebra** 3  
  - **ETI 3418C CNC** 3  
  - **ETI 3116 Writing Tech Pros** 3  
- **Spring** 13 hrs  
  - **CET 2364 Systems Application in C++** 3  
  - **BIOL 2054C** 3  
  - **ETM 4220 Applied Energy Systems** 4  
  - **ETC 4242 Construction Contracts & Specs** 3  
  - **ETI 4635 Tech Admin** 3

**Sophomore Year**

- **Fall** 13/14 hrs  
  - **ENC 1102 Composition II** 3  
  - **MAC 1114 Trigonometry** 3  
  - **ETG 3541 Applied Mechanics** 3  
  - **ETI 4635 Tech Admin** 3  
  - **ETM 4315C Applied Fluid Mechanics** 4  
  - **ETI 4448 Applied Project Management** 3  
  - **EST 3543C PLC** 3

- **Spring** 15/16 hrs  
  - **CET 2364 Systems Application in C++** 3  
  - **BIOL 2054C** 3  
  - **ETM 4220 Applied Energy Systems** 4  
  - **ETC 4242 Construction Contracts & Specs** 3/4  
  - **ETG 3541 Applied Mechanics** 3  
  - **or EET 3086**  
  - **ETM 4315C Applied Fluid Mechanics** 3  
  - **ETI 4635 Tech Admin** 3

**Summer**

- **Fall** 9 hrs  
  - **ETI 3116 App Eng Quality Assur** 3  
  - **ETG 3541 Applied Mechanics** 3  
  - **ETM 4315C Applied Fluid Mechanics** 3

**Junior Year**

- **Fall** 16 hrs  
  - **ETM 3350C Electr & Electro** 4  
  - **ETI 3418C CNC** 3  
  - **ETM 3350C Applied CADD** 3  
  - **ETM 4315C Applied Fluid Mechanics** 3  
  - **ETI 4635 Tech Admin** 3  
  - **ETT 3085C Electricity and Elec Tech** 3

**Senior Year**

- **Fall** 15 hrs  
  - **ETM 3350C Electr & Electro** 4  
  - **ETM 3350C Applied CADD** 3  
  - **ETM 4315C Applied Fluid Mechanics** 3  
  - **ETI 4635 Tech Admin** 3

**I. Mechanical Technology Track**

- **Summer** 4 hrs  
  - **ETM 4755 Applied Air Conditioning** 3  
  - **ETI 4448 Applied Project Management** 3
ENGINEERING TECHNOLOGY - OPERATIONS CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

http://ent.ucf.edu

Coordinator: Dr. Eduardo Divo, 407-823-4753, E-mail: edivo@mail.ucf.edu

Admission Requirements

none

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36±2 hrs)

A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1063

B. Cultural and Historical Foundations
   9 hrs
   1. Select MAC 1105
   2. Select STA 2023

C. Mathematical Foundations
   6 hrs
   1. Select MAC 1140
   2. Select MAC 2312
   3. Select STA 2023

D. Social Foundations
   6 hrs
   1. Select PHY 2053C

E. Science Foundations
   8 hrs
   1. Select PHY 2053C
   2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200 or MCB 1310

2. Common Program Prerequisites (CPP) (6/8 hrs)

(C (2.0) or better grades are required in all courses)

MAC 2303
or MAC 2311

Calculus I or Calculus with Analytical Geometry I

or MAC 2311

Calculus II

or MAC 2312

Calculus with Analytical Geometry II

or PHY 2053C

or PHY 2048L

Physics for Engineers & Scientists I

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Engineering Technology Core Requirements (21 hrs)

ANT 2511, BSC 1005, BSC 1050, GEO 1200,

GEO 2370, or GLY 1030

ENC 3241

Writing for the Technical Professional

MAC 1105

College Algebra

MAC 1114

College Trigonometry

MAC 2253

Applied Calculus I

or MAC 2311

Calculus I or Calculus with Analytical Geometry I

or MAP 3401

Problem Analysis

or MAC 2312

Calculus with Analytical Geometry II

or PHY 2053C

or PHY 2048L

Physics for Engineers & Scientists I

or PHY 2045

Physics for Engineers & Scientists II

or ETG 3541

Applied Mechanics

or ETG 448

Applied Project Management

ETI 3671

Technical Economic Analysis

ETI 3116

Applied Engineering Quality Assurance

ETI 4635

Technology Administration

4. Technical Specialization (60 hrs)

(C (2.0) or better grades are required in all courses)

Lower Level Required and Elective Courses (25 hrs)

ETI 3543C

Programmable Logic Controllers

CHM 1022L

General Chemistry/Lab

CET 2304

Systems Application in C++

EET 3085C

Electricity and Electronics

STA 2023

Statistical Methods I

Approved Lower Level Technical Electives

11 hrs

Upper Level Required Courses (18 hrs)

ETI 4640

Operations Management

ETD 3350C

Applied CADD

ETI 3690

Technical Sales

ETI 4186

Applied Reliability

ETI 4700

Occupational Safety

ETI 4205

Applied Logistics

Upper Level Technical Elective (Select 5) (17 hrs)

 CET 3010

Introduction to Information Technology

EST 3222

Introduction to Photonics

SUR 3324

Digital Cartography

ETG 3533C

Applied Engineering Strength of Materials

ETI 3418C

Computer Numerical Controls

ETI 3421

Materials & Processes

EST 4502C

Metrology & Instrumentation

ETM 4220

Applied Energy Systems

ETM 4331C

Applied Fluid Mechanics

GIS 3043C

GIS for Environmental Studies

5. Departmental Graduation Requirements (3 hrs)

(C (2.0) or better grades are required for all prerequisites)

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Technical Electives

- Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 30 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A 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 CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required

128 hrs

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048L and 2048L substitute for PHY 2053C and PHY 2054C respectively.
Program Academic Learning Compacts

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

Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

Tentative Course Schedule for the Operations Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ENC 1101 (3 hrs) Spring ENC 1102 (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>MAC 1105 College Algebra (3 hrs) Spring CHM 1032 General Chemistry (4 hrs)</td>
</tr>
<tr>
<td></td>
<td>Biological science (4 hrs) Spring MAC 1114 Trigonometry (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>Cultural/Historical Foundation (3 hrs) Spring Social Foundation (3 hrs)</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EIT 3116 App Eng Quality Assurance (3 hrs) Spring EIT 3671 Tech Econ Analysis (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>EIT 3241 Writing Tech Pros (3 hrs) Spring EIT 3253 Applied Calculus I (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>Lower level elective (4 hrs) Spring Lower level elective (4 hrs)</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EIT 3095C Electricity and Electro (4 hrs) Spring Lower level elective (4 hrs)</td>
</tr>
<tr>
<td></td>
<td>Lower level elective (4 hrs) Spring CET 2364 SyS Appl in C++ (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>Social Foundation (3 hrs) Spring EIT 3690 Technical Sales (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>CBT 3541 Applied Mechanics (4 hrs) Spring EIT 4635 Tech Admin (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>ETD 3390C Appl CAD (3 hrs) Spring Upper level elective (3 hrs)</td>
</tr>
<tr>
<td>Summer</td>
<td>EIT 4700 Occup Safety (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>EIT 4440 Applied Proj Mgmt (3 hrs)</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EIT 4205 App Logistics (3 hrs) Spring EIT 4950C Sr Design Proj (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>EIT 4640 Operations Mgmt (3 hrs) Spring EIT 4186 Applied Reliability (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>EST 3543C PLC (3 hrs) Spring Upper level elective (3 hrs)</td>
</tr>
<tr>
<td></td>
<td>Upper level elective (3 hrs) Spring Upper level elective (3 hrs)</td>
</tr>
</tbody>
</table>

ENGLISH - CREATIVE WRITING (B.A.)

College of Arts and Humanities

Department, CNH 405
http://english.cah.ucf.edu/
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Admission Requirements

- 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

Honors in English Degree: Additional Requirements

- 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

1. UCF General Education Program

(36 hrs)

A. Communication Foundations
- Select ENC 1101 and ENC 1102 (6 hrs)
- Prefer SPC 1908 Fund of Oral Com

B. Cultural and Historical Foundations
- Select one class from 1.B.1 list (3 hrs)
- Prefer LIT 2110 World Literature I (3 hrs)
- Prefer LIT 2120 World Literature II (3 hrs)

C. Mathematical Foundations
- Prefer MGF 1106 Finite Mathematics or MGF 1107 (3 hrs)
  (may substitute a higher level math)
- Prefer STA 1060C Statistics Using Excel (3 hrs)

D. Social Foundations
- 6 hrs
E. Science Foundations
- 6 hrs

2. Common Program Prerequisites

ENC 1101* Composition I (GEP)
ENC 1102* Composition II (GEP)
See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements

(6 hrs)

- CRW 3013 Creative Writing for English Majors
- ENG 3014 Theory & Tech of Literary Study
- This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Literary History Requirement

(12 hrs)

- Choose four courses from these two groupings
- a. Select at least one of these pre-1865 literature courses.
  - AML 3031 American Literature I
  - AML 3286 Early American Women's World
  - AML 3613 Narratives of Slavery
  - AML 3640 Native American Literature
  - AML 4304 Whitman & Heirs
  - ENL 2012 English Literature I
  - ENL 4220 English Renaissance Poetry and Prose
  - ENL 4230 Eighteenth Century Studies
  - ENL 4240 English Romantic Writers
  - ENL 4311 Chaucer
  - ENL 4333 Shakespeare
  - ENL 4341 Milton and His Age
  - LIT 4374 Literature of the Bible
- b. Select at least one of these post 1865 literature courses
  - AML 3041 American Literature II
  - AML 3283 Contemp African American Literature
  - AML 3614 Topics in African American Literature
  - AML 3615 Harlem, Haiti, and Havana
  - AML 3634 Contemp. Native American Prose and Poetry
  - AML 4101American Novel
  - AML 4153 American Poetry at Mid-Century
  - AML 4155 Modern American Poetry
  - AML 4261 Literature of the South
  - AML 4265 Florida Writers
  - AML 4321 Modern American Literature
  - AML 4560 Latin American Literature
  - ENL 2022 English Literature II
  - ENL 4101 English Novel
  - ENL 4253 The Victorian Age: Poetry
  - ENL 4262 Nineteenth Century British Prose
  - ENL 4273 Modern British Literature
  - LIT 3082 Continental European Fiction Since 1900
  - LIT 3192 Caribbean Literature
  - LIT 4043 Modern Drama as Literature
  - LIT 4184 Irish Literature
  - LIT 4303 Post-World War II Fiction

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives

(18 hrs)

- Choose one of the following:
  - LIN 3010 Intro to Linguistics (3 hrs)
  - LIN 4105 History of the English Language (3 hrs)
  - LIN 4643 Cross Cultural Communication (3 hrs)
  - LIN 4660 Linguistics and Literature (3 hrs)
  - LIN 4680 Modern English Grammar (3 hrs)
  - ENC 3211 Theory and Practice of Tech Writing (3 hrs)
  - ENC 3241 Writing for the Technical Professional (3 hrs)
  - ENC 3310 Magazine Writing I (3 hrs)
  - ENC 3311 Advanced Expository Writing (3 hrs)
  - ENG 3010 Practical Criticism (3 hrs)
  - AML 4354 Advanced Feminist Theory (3 hrs)

- Choose two of the following:
  - CRW 3120 Fiction Writing Workshop (6 hrs)
  - CRW 3211 Creative Nonfiction Writing (6 hrs)
  - CRW 3310 Poetry Writing Workshop (6 hrs)
  - CRW 3510 Writing Scripts (6 hrs)
c. Choose two of the following: 6 hrs
CRW 4122 Adv Fiction Writing Workshop
CRW 4224* Adv Creative Nonfiction Writing
CRW 4320 Adv Poetry Writing Workshop
CRW 4616 Advanced Script Writing
*May take ENC 4360 instead of CRW 4224 but not both
d. Choose one of the following: 3 hrs
CRW 3311 Structure of Verse
CRW 3540 Literary Magazines
CRW 4114 History of Prose Style
or any 3000 or 4000 CRW course not used to fulfill another requirement

6. Departmental Exit Requirements
Maintain a minimum GPA of 2.0 in upper division required courses
Computer Competency met by completion of CRW 3013

7. Foreign Language Requirements
*(8-hrs)
Admission: 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
(variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 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 CLAST and nine hours of Summer credit if (applicable)

Total Semester Hours Required
120 hrs

Related Programs: Technical Communication, Literature
Related Minors: Linguistics, Technical Communication, Writing

Transfer Notes:
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF: ENC 1101 & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

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

Suggested Plan of Study:
One of numerous possible plans of study. See program description for required courses. 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
ENG 1101 Composition I 3
ENG 1102 Composition II 3
Fall
HUM 1101 Composition I 3
HUM 1102 Composition II 3
MGF 1101 Composition I 3
MGF 1102 Composition II 3
POC 2011 Composition I 3
POC 2012 Composition II 3
SPC 1101 Composition I 3
SPC 1102 Composition II 3

Sophomore Year
Fall
BSC 1005 Composition I 3
LIT 1101 Composition II 3
LIT 2102 Composition III 3
PSY 1011 Composition I 3
PSY 2011 Composition II 3
Elective* Check restrictions 3
SPC 1121 Composition I 3
SPC 1122 Composition II 3

Junior Year
Fall
ENG 3011 Composition I 3
ENG 3012 Composition II 3
Fall
ENG 3014 Composition I 3
ENG 3015 Composition II 3

Senior Year
Fall
ENG 3016 Composition I 3
ENG 3017 Composition II 3

ENGLISH LANGUAGE ARTS EDUCATION (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/english/
Program Coordinator: Dr. Jeff Kaplan, ED 122B, 407-823-2041,
E-mail: jkaplan@mail.ucf.edu

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 and/or CLAST examination (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 (36 hrs)
   A. Communication Foundation (9 hrs)
   1. ENG 1101 English Composition I 3
   2. ENG 1102 English Composition II 3
   B. Cultural-Historical Foundation (9 hrs)
   1. ENG 1101 English Composition I 3
   2. ENG 1102 English Composition II 3
   C. Mathematical Foundation (6 hrs)
   1. MAT 1033 Finite Mathematics 3
   2. MAT 1033C Basic Statistics using MS Excel 3
   D. Social Foundation (9 hrs)
   1. ENG 1101 English Composition I 3
   2. ENG 1102 English Composition II 3
   E. Science Foundation (6 hrs)
   1. ENG 1101 English Composition I 3
   2. ENG 1102 English Composition II 3
   3. Elective* Check restrictions 3
   4. Elective* Check restrictions 3
   5. Elective* Check restrictions 3

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
   EDF 2085 Introduction to the Teaching Profession 3
   EDF 2085 Introduction to Diversity for Educators 3
   EME 2040 Introduction to Technology for Educators 3

Note: In addition to EDF 2085, a minimum of six hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements (12 hrs)
   EDF 2010* Child & Adolescent Development for Educators 3
   LIT 2101 World Literature I 3
   LIT 2102 World Literature II 3
   ENL 2012 English Literature I 3
   ENL 2022 English Literature II 3

Note: Students are advised to take the preferred courses.
4. Education Core Requirements (21 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4003 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
RED 4043 Content Reading Kindergarten through Gr 12 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
**Prerequisite for Internship I

5. Specialization Requirements (21 hrs)
CRW 3013 Intro Creative Writing 3 hrs
ENG 3014 Theories of Literature 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs
or LIN 4105 History of English Language 3 hrs
Upper Division Elective with RED, LAE, EDG, or EDF prefix 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 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/clinicalexperience.

6. Internship I Block (9 hrs)
LAE 3940 Internship I 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Teaching Language/Compositional 3 hrs

All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience.

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.

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.

7. Internship II (12 hrs)
LAE 4941 Internship II 12 hrs

8. Foreign Language Requirements (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.)

9. 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.

10. University Minimum Exit Requirements
A 2.0 UCF GPA
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

12. Recommended Four Year Sequence of Courses

Freshman Year
Fall 12 hrs
EDF 2005 Intro to the Teaching Prof 3
ENC 1101 English Composition I 3
ENG 2085 Intro to Diversity for Ed 3
Spring 12 hrs
EDF 2130 Child & Adol Dev for Ed* 3
ENC 1102 English Composition II 3
MGF 1106 Finite Mathematics 3

Sophomore Year
Fall 15 hrs
AMH 2010 U.S. History 1492-1877 3
ANT 2511 The Human Species or ENS 1005 Biological Principles 3
LIT 2120 World Literature II 3
Spring 12 hrs
PSY 2012 General Psychology 3
SPE 1000 Tech in Org Comm 3
STA 2014C Principles of Statistics 3

Junior Year
Fall 15 hrs
CRW 3013 Intro Creative Writing 3
TSL 4240 Issues in Second Language Acquisition 3
EDF 4467 Learn Theory & Asmt 3
EDG 4410 Teaching Strategies & Class Mgmt 3
LAE 4242 Intro to Adol Literature 3
Summer 6 hrs
EME 2040 Intro to Tech for Educators 3
LIT 2110 World Literature I 3

Senior Year
Fall 12 hrs
TSL 4080 Theory & Prac of Teach ESOL 3
Studies in Schools
ENL 2022 English Literature II 3
Spring 12 hrs
AMH 2010 U.S. History 1492-1877 3
ANT 2511 The Human Species or ENS 1005 Biological Principles 3
LIT 2120 World Literature II 3

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Note: Community college transfer students may substitute a 2XXX elective.

Senior Year
Fall 12 hrs
LAE 3940 Internship I 3
LAE 4360 Eng Instructional Anal 3
LAE 4342 Teach Lang/Composition 3
EEX 4242 Teach Ex Stud in Sec Settings 3

ENGLISH - LITERATURE (B.A.)

College of Arts and Humanities
English Department, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

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.
UCF Degree Programs

- 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.

Honors in English Degree: Additional Requirements (9 hrs)

Application and admission through the English Honors Committee and the Honors College

Fulfills 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

1. UCF General Education Program (36 hrs)

A. Communication Foundations

Select ENC 1101 and ENC 1102

Prefer SPC 1608 Fund of Oral Com

3 hrs

B. Cultural and Historical Foundations

Select one class from 1.B.1 list

Prefer LIT 2110 World Literature I

LIT 2120 World Literature II

3 hrs

C. Mathematical Foundations

Select MGF 1106 Finite Mathematics or MGF 1107

May substitute a higher level math

Prefer STA 1060C Statistics Using Excel

3 hrs

D. Social Foundations

6 hrs

E. Science Foundations

6 hrs

2. Common Program Prerequisites

ENC 1101*Composition I

ENC 1102*Composition II

GEP

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core - Gateway Courses (6 hrs)

a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

ENC 3014 Theory & Tech of Literary Study

3 hrs

b. Choose one gateway course:

CRW 3013 Creative Writing for English Majors

ENC 3211 Theory & Practice of Tech Writing

4. Literary History Requirement (15 hrs)

Choose five courses from the two groupings

a. Select at least two of these pre-1865 literature courses.

AML 3031 American Literature I

AML 3286 Early American Women's Words

AML 3613 Narratives of Slavery

AML 3640 Native American Literature

AML 4304 Whitman & Heirs

ENL 2012 English Literature I

ENL 4220 English Renaissance Poetry and Prose

ENL 4230 Eighteenth Century Studies

ENL 4240 English Romantic Writers

LIT 4374 Literature of the Bible

b. Select at least two of these post 1865 literature courses

AML 3041 American Literature II

AML 3283 Contemp American Women's Fiction

AML 3614 Topics in African American Literature

AML 3615 Harlem, Haiti, and Havana

AML 3643 Contemp. Native American Prose and Poetry

AML 4101 American Novel

AML 4153 American Poetry at Mid-Century

AML 4155 Modern American Poetry

AML 4261 Literature of the South

AML 4265 Florida Writers

AML 4271 Modern American Literature

AML 4630 Latino/Latina Literature

ENL 2022 English Literature II

ENL 4101 English Novel

ENL 4253 The Victorian Age: Poetry

ENL 4262 Nineteenth Century British Prose

ENL 4273 Modern British Literature

LIT 3082 Continental European Fiction Since 1900

LIT 3192 Caribbean Literature

LIT 4043 Modern Drama as Literature

LIT 4184 Irish Literature

LIT 4303 Post-World War II Fiction

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Upper Division Requirements (15 hrs)

a. Choose one single author or major author course

| AML 4300 | Major American Authors |
| ENL 4303 | British Authors |
| ENL 4311 | Chaucer |
| ENL 4341 | Milton |
| ENL 4333 | Shakespeare |

b. Choose one linguistics or theory course:

| LIN 3010 | Principles of Linguistics |
| LIN 4105 | History of the English Language |
| LIN 4643 | Cross Cultural Communication |
| LIN 4660 | Linguistics and Literature |
| LIN 4680 | Modern English Grammar |
| LIT 4244 | World Authors |

Note: Each semester, additional courses may satisfy this requirement.

Check with advisor for details.

6. Departmental Exit Requirements

Maintain a minimum GPA of 2.0 in upper division required courses.

Computer Competency met by completion of ENG 3014.

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

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

9. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residency at UCF

A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Creative Writing, Technical Communication

Related Minors: Creative Writing, Linguistics, Technical Communication, Writing

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Literature if taken prior to transferring to UCF:

- 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.

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

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
**UCF Degree Programs**

**ENGLISH - TECHNICAL COMMUNICATION (B.A.)**

College of Arts and Humanities

English Department, CNH 405

http://english.cah.ucf.edu

E-mail: english@ucf.edu

Contact: D. Wallace, 407-823-2212

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**Admission Requirements**

none

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**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.

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**Honor in English Degree: Additional Requirements**

<table>
<thead>
<tr>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application and admission through the English Honors Committee and the Honors College.</td>
</tr>
<tr>
<td>Fulfill University requirements for Honors in the Major.</td>
</tr>
<tr>
<td>Grade of &quot;B&quot; (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).</td>
</tr>
<tr>
<td>Successful completion and oral defense of honors thesis.</td>
</tr>
</tbody>
</table>

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**1. UCF General Education Program**

<table>
<thead>
<tr>
<th></th>
<th>(36 hrs)</th>
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</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select ENC 101, ENC 102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fund of Oral Com</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

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**2. Common Program Prerequisites**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>ENC 1101* Composition I</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 1102* Composition II</td>
<td>GEP</td>
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</tbody>
</table>

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

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**3. Core courses - Basic**

<table>
<thead>
<tr>
<th></th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Choose one of the following:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3211 Theory &amp; Practice of Tech Writing</td>
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<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3014 Theory &amp; Tech of Literary Study</td>
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<tr>
<td>or CRW 3013 Creative Writing for English Majors</td>
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</tbody>
</table>

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**4. Literary History Requirement**

<table>
<thead>
<tr>
<th></th>
<th>(9 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Choose three courses from these two groupings</td>
<td></td>
</tr>
<tr>
<td>a. Select at least one of these pre-1865 literature courses:</td>
<td></td>
</tr>
<tr>
<td>AML 3031 American Literature I</td>
<td></td>
</tr>
<tr>
<td>AML 3286 Early American Women's Words</td>
<td></td>
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<tr>
<td>AML 3613 Narratives of Slavery</td>
<td></td>
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<tr>
<td>AML 3640 Native American Literature</td>
<td></td>
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<tr>
<td>AML 4304 Whitman &amp; Heirs</td>
<td></td>
</tr>
<tr>
<td>ENL 2012 English Literature I</td>
<td></td>
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<tr>
<td>ENL 4220 English Renaissance Poetry and Prose</td>
<td></td>
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<tr>
<td>ENL 4230 Eighteenth Century Studies</td>
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<tr>
<td>ENL 4240 English Romantic Writers</td>
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<tr>
<td>ENL 4311 Chaucer</td>
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<tr>
<td>ENL 4333 Shakespeare</td>
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<td>ENL 4341 Milton and His Age</td>
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<tr>
<td>LIT 4374 Literature of the Bible</td>
<td></td>
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<tr>
<td>b. Select at least one of these post 1865 literature courses:</td>
<td></td>
</tr>
<tr>
<td>AML 3041 American Literature II</td>
<td></td>
</tr>
<tr>
<td>AML 3283 Contemp American Women's Fiction</td>
<td></td>
</tr>
<tr>
<td>AML 3614 Topics in African American Literature</td>
<td></td>
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<tr>
<td>AML 3615 Harlem, Haiti, and Havana</td>
<td></td>
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<tr>
<td>AML 3643 Contemp, Native American Prose and Poetry</td>
<td></td>
</tr>
<tr>
<td>AML 4101 American Novel</td>
<td></td>
</tr>
<tr>
<td>AML 4153 American Poetry at Mid-Century</td>
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<tr>
<td>AML 4155 Modern American Poetry</td>
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<tr>
<td>AML 4261 Literature of the South</td>
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<tr>
<td>AML 4265 Florida Writers</td>
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<tr>
<td>AML 4321 Modern American Literature</td>
<td></td>
</tr>
<tr>
<td>AML 4630 Latino/Latina Literature</td>
<td></td>
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<tr>
<td>ENL 2022 English Literature II</td>
<td></td>
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<tr>
<td>ENL 4101 English Novel</td>
<td></td>
</tr>
<tr>
<td>ENL 4253 The Victorian Age: Poetry</td>
<td></td>
</tr>
<tr>
<td>ENL 4262 Nineteenth Century British Prose</td>
<td></td>
</tr>
<tr>
<td>ENL 4273 Modern British Literature</td>
<td></td>
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<tr>
<td>LIT 3082 Continental European Fiction Since 1900</td>
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<tr>
<td>LIT 3192 Caribbean Literature</td>
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<tr>
<td>LIT 4043 Modern Drama as Literature</td>
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<tr>
<td>LIT 4184 Irish Literature</td>
<td></td>
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<tr>
<td>LIT 4303 Post-World War II Fiction</td>
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</tbody>
</table>

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**5. Core Requirements - Advanced**

<table>
<thead>
<tr>
<th></th>
<th>(15 hrs)</th>
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<tbody>
<tr>
<td>ENC 4280 Technical Writing Style</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293 Documentation and the Collaborative Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4294 Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433 Literature of Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

And choose one of the following:

<table>
<thead>
<tr>
<th></th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4215 Technical Publication and Project Management</td>
<td></td>
</tr>
<tr>
<td>ENC 4218 The Visual in Technical Communication</td>
<td></td>
</tr>
</tbody>
</table>

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**6. Restricted Upper Division Electives**

<table>
<thead>
<tr>
<th></th>
<th>(3 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>ENC 3311 Advanced Expository Writing</td>
<td></td>
</tr>
<tr>
<td>ENC 4262 International Technical Communication</td>
<td></td>
</tr>
<tr>
<td>ENC 4265 Writing for the Computer Industry</td>
<td></td>
</tr>
<tr>
<td>ENC 4290 Usability Testing for Technical Communication</td>
<td></td>
</tr>
<tr>
<td>ENC 4414 Writing and Hypertext</td>
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</tbody>
</table>

Optional course

| ENC 4941 Tech Writing & Editing Internship | |

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**7. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of ENC 4293

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**8. Foreign Language Requirements**

<table>
<thead>
<tr>
<th></th>
<th>(0-8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission: Met by graduation requirement</td>
<td></td>
</tr>
</tbody>
</table>

**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.
9. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

10. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Creative Writing, Literature
Related Minors: Creative Writing, Literature, Linguistics, Technical Communication, Writing

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for common program prerequisites to the BA in Technical Writing if Social Science Courses do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

ENR 1101* Introduction to Environmental Engineering 3 hrs

Biological Science   3 hrs
- CHM 2041C Chemistry Fundamentals I w/Lab CPP
- CHM 2041L Calculus with Analytic Geometry I 4 hrs
- MAC 2311 Calculus with Analytic Geometry II 4 hrs
- MAC 2312 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048/48L Physics for Engineers & Scientists I GEP
- PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major (57 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 technical elective courses listed in 4, below and with the senior design courses listed in 5. Independent study courses generally do satisfy major requirements and normally are awarded grades of I, S, or U. A “C” (2.0) better is required for those courses in section 3. marked with an asterisk(*).

EGN 1007C Engineering Concepts & Methods 1 hr
EGN 1007G Intro to the Engineering Profession 1 hr
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2045L Chemistry Fundamentals I w/Lab CPP
ENV 2002 Probability & Statistics for Engineers GEP
ENV 3001* Intro to Environmental Engineering 3 hrs
CCE 3101* Intro to the Construction Industry 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
CWR 4010C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
EES 4201C Biological Process Control 3 hrs
EES 4202C Chemical Process Control 3 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4341 Solid & Hazardous Waste Management 4 hrs
ENV 4561 Environmental Engrg-Process Design 4 hrs

4. Approved Technical Electives (7 hrs)
Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult the CEECE Web site 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.

EES 4201C Biological Process Control 3 hrs
EES 4202C Chemical Process Control 3 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4341 Solid & Hazardous Waste Management 4 hrs
ENV 4561 Environmental Engrg-Process Design 4 hrs

Note: Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

5. Departmental Graduation Requirements (6 hrs)
Approved EnvE Design Course I 3 hrs
Approved EnvE Design Course II 3 hrs
- Earn a minimum graduating GPA of 2.250 in the Major Courses from item 3, above, the technical electives from item 4, above, and the Approved EnvE Design Courses.
- EnvE students must take the Fundamentals of Engineering Exam during their Senior year.
6. Foreign Language Requirements
(0-8 hrs)
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

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A 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 CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Chemistry, Civil Engineering, Construction Engineering.
Related Minors: Chemistry, Environmental Studies, Mathematics, Engineering Leadership, Bioengineering.

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.
- Courses transferred into the major must have a minimum grade of "C" (2.0).

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 Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

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 departmental academic advisor to develop and maintain an appropriate plan of study.

Environmental Engineering - 128 semester hours required

FIRST YEAR
Fall  14 hrs 1,2  Spring  15 hrs 1,2
*ENC 1101 English Comp I  3  *ENC 1102 English Comp II  3
*MAC 2311 Calc w/Analy Geo I  4  *MAC 2312 Calc w/Analy Geo II  4
*ECO 2023 Macroeconomics or ECO 2023 Microeconomics  4
*PHY 2048L/PHY 2048L Phys Engr I w/lab  4
*Chemical Science  3  EES 4100C Chmcl Proc Control  3
*Biological Science  3  EES 4202C Chmcl Proc Control  3
ENC 3613 Engring Econ Anal  3  ENV 4201C Chmcl Proc Control  3
ENC 3613 Engring Econ Anal  3  Env 4202C Chmcl Proc Control  3
Summer  9 hrs 1  Fall  16 hrs 1
*MAC 2313 Calc w/Analy Geo III  4  CWR 3201 Engr Fluid Mech  3
*CHEM 2452 Chemistry Fund I  4  EGN 3311 Mech of Materials  3
*HUM/AMH/EUHII  3  STA 3032 ProbStats for Engr  3
*HUM/AMH/EUHI  3  ENV 4541 Solid/Haz Waste  3
*Earth Science  3  CCE 4003 Intro to Constr Indus  3
*Biological Science  3  EGM 3313 Mech of Materials  3
*Environmental Engineering  3  STA 3032 ProbStats for Engr  3
*Environmental Engineering  3  ENV 4541 Solid/Haz Waste  3
*Environmental Engineering  3  CCE 4003 Intro to Constr Indus  3
*HUM/AMH/EUHII  3  *HUM/AMH/EUHI  3
*Chemical Science  3  *Chemical Science  3
*Biological Science  3  *Biological Science  3

SECOND YEAR
Fall  16 hrs 1  Spring  17 hrs 1
*MAC 2313 Calc w/Analy Geo III  4  *MAC 2313 Calc w/Analy Geo III  4
*CHEM 2452 Chemistry Fund I  4  *CHEM 2452 Chemistry Fund I  4
*HUM/AMH/EUHII  3  *HUM/AMH/EUHII  3
EGN 3310 Engr Anal-Statics  3  EES 4120 Air Pollution Control  3
EGN 3613 Engring Econ Anal  3  ENV 4561 Process Design  3
Summer  9 hrs 1  Fall  16 hrs 1
*MAC 2313 Calc w/Analy Geo III  4  CWR 3201 Engr Fluid Mech  3
*CHEM 2452 Chemistry Fund I  4  EGN 3311 Mech of Materials  3
*HUM/AMH/EUHII  3  STA 3032 ProbStats for Engr  3
*HUM/AMH/EUHI  3  ENV 4541 Solid/Haz Waste  3
*Cultural Elective  3  CCE 4003 Intro to Constr Indus  3
*Biological Science  3  EGM 3313 Mech of Materials  3
*Environmental Engineering  3  STA 3032 ProbStats for Engr  3
*Environmental Engineering  3  ENV 4541 Solid/Haz Waste  3
*Environmental Engineering  3  CCE 4003 Intro to Constr Indus  3
*HUM/AMH/EUHII  3  *HUM/AMH/EUHI  3
*Chemical Science  3  *Chemical Science  3
*Biological Science  3  *Biological Science  3

THIRD YEAR
Fall  16 hrs  Spring  16 hrs 1
CWR 3201 Engr Fluid Mech  3  CWR 4101C Hydrology  3
EGN 3311 Mech of Materials  3  CWR 4203C Hydraulics  3
STA 3032 ProbStats for Engr  3  Technical Elective  4
ENV 4541 Solid/Haz Waste  3  *Cultural Elective  3
CCE 4003 Intro to Constr Indus  3  EGM 3313 Mech of Materials  3
CCE 4003 Intro to Constr Indus  3  STA 3032 ProbStats for Engr  3
*HUM/AMH/EUHII  3  *HUM/AMH/EUHI  3
*Chemical Science  3  *Chemical Science  3
*Biological Science  3  *Biological Science  3

FOURTH YEAR
Fall  13 hrs  Spring  13 hrs
ENV 4120 Air Pollution Contrl  3  Approved Proj Design Course  3
ENR 4561 Process Design  3  EES 4111C Biolgcl Proc Contrl  3
ENR 4562C Chmcl Proc Control  3  Technical Elective  4
Approved Proj Design Course  3  *ANT/PSY/SYG  3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. 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 4. Approved Technical Electives.
3. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and ENV 3001 or its equivalent before registering for subsequent courses.

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

ENVIRONMENTAL STUDIES TRACK
See Interdisciplinary Studies – Environmental Studies Track

EVENT MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

1. UCF General Education Program (GEP)  (36 hrs)
   A. Communication Foundations  9 hrs
   B. Cultural and Historical Foundations  9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra  3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics  3 hrs
   E. Science Foundation  6 hrs

2. Common Program Degree Requirements  (3 hrs)
   HFT 1000 Introduction to Hospitality Management  3 hrs
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Foundations Quantitative Tools
   CGS 2100C Computer Fundamentals of Business  (GEP)
   or STA 2023 Statistical Methods I
   or ECO 2013 Macroeconomics
   or ECO 2023 Microeconomics
   or MAC 1105 College Algebra  (GEP)

4. Hospitality Management Core  (25 hrs)
   HFT 2401 Hospitality Financial Accounting  3 hrs
   HFT 2500 Hospitality Marketing  3 hrs
   HFT 2220 Hospitality Human Resources  3 hrs
   HFT 2254 Lodging Operations  3 hrs
   HFT 3431 Hospitality Managerial Accounting  3 hrs
   HFT 3540 Guest Services Management  3 hrs
   HFT 4286 Hospitality Communications  3 hrs
   HFT 4464 Hospitality Industry Finance  3 hrs
   HFT 3933 Distinquished Hospitality Lectures  1 hr

5. Internship  (3 hrs)
   HFT 3940 Internship I  1 hr
   HFT 4941 Internship II  1 hr
   HFT 4944 Internship III  1 hr

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6. Event Management Core (27 hrs)
   - HFT 2750: The Event Industry 3 hrs
   - HFT 3670: Hospitality & Event Risk Management 3 hrs
   - HFT 3512: Event Promotion 3 hrs
   - HFT 3443: Event Technology 3 hrs
   - HFT 3792: Event Design & Production 3 hrs
   - HFT 4802: Catering Management 3 hrs
   - HFT 4757: Event Management I 3 hrs
   - HFT 4751: Event Management II 3 hrs

7. Special College 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.

8. Restricted Electives (15 hrs)
   - Choose any five courses from the list below:
     - HFT 3741: Meeting Management 3 hrs
     - HFT 4754: Exhibit and Trade Show Operations 3 hrs
     - HFT 3517: Convention Sales 3 hrs
     - HFT 4753: Convention Services 3 hrs
     - HFT 4795: Entertainment Arts and Events 3 hrs
     - HFT 3798: Fairs and Festivals 3 hrs
     - HFT 4561: Destination Marketing 3 hrs
     - HFT 4736: Destination Management 3 hrs
     - HFT 3796: International Events 3 hrs
     - HFT 4753: Advanced Trade Show Management 3 hrs

9. Foreign Language Requirements (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.)

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 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
    - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)
    - As necessary to result in 120 total credit hours.
    - Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes
   - Subject to the general grade and residency 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.

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 Fee
   - Full-time Student: $75 per term
   - Part-time Student: $37.50 per term

FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*
   *Plan your required nine summer credit hours into your course of study.

Freshman Year
   - Fall:
     - ENC 1101 3 hrs
     - HFT 1000 3 hrs
     - PSY 2012 or SYG 2000 3 hrs
     - AN 2000 3 hrs
   - Spring:
     - ENC 1102 3 hrs
     - MAC 1105 3 hrs
     - HFT 2750 3 hrs

Sophomore Year
   - Fall:
     - Science Found I 3 hrs
     - ECO 2013 or ECO 2023 3 hrs
     - HFT 2220 3 hrs
     - HFT 3443 Event Tech 3 hrs
     - HFT 3670 HosEvent Risk 3 hrs
   - Spring:
     - Science Found II 3 hrs
     - HFT 2401 3 hrs
     - Cult/Hist Foundation 3 hrs
     - HFT 3512 Event Promo 3 hrs

Junior Year
   - Fall:
     - HFT 3792 Evnt Design 3 hrs
     - FSS 2221C 3 hrs
     - HFT 3431 3 hrs
     - HFT 2254 3 hrs
     - HFT 3940 1 hr
     - HFT 3540 3 hrs
   - Spring:
     - HFT 4941 3 hrs
     - Hos Event Elective 3 hrs

Senior Year
   - Fall:
     - HFT 4757 3 hrs
     - HFT 4944 1 hr
     - HFT 3933 3 hrs
     - Hos Event Elective 3 hrs
     - Free electives 6 hrs
   - Spring:
     - HFT 4791 Evnt Mgmnt II 3 hrs
     - Hos Event Elective 3 hrs

EXCEPTIONAL STUDENT EDUCATION (B.S.)
   - College of Education
   - Department of Child, Family and Community Sciences
   - ED 209

http://www.education.ucf.edu/
   - Program Contact: Linda Alexander, 407-823-2598;
   - E-mail: lalexand@mail.ucf.edu;
   - Program Coordinator: Dr. Lee Cross; E-mail: lcross@mail.ucf.edu

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 and/or CLAST examination (no alternatives or waivers are accepted).
   - Meet the Gordon Rule Requirement.
   - Meet the foreign language admission requirement.

Degree Requirements
   - Students must earn a “C-” (1.75) or better in each required education course.
   - 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.
   - 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 required prior to Internship I
   - FTCE Professional Education Test (PET)
   - 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 6-12
     - Integrated Curriculum 6-9
   - Students must earn a “C-” (1.75) or better in each required Exceptional Education course

1. UCF General Education Program (36 hrs)
   - Communication Foundation (9 hrs)
     - 1. ENC 1101: English Composition I 3 hrs
     - 2. ENC 1102: English Composition II 3 hrs

2. Program Academic Learning Compacts (student learning outcomes)
   - http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   - Full-time Student: $75 per term
   - Part-time Student: $37.50 per term

FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*
   *Plan your required nine summer credit hours into your course of study.

Freshman Year
   - Fall:
     - ENC 1101 3 hrs
     - Cult/Hist Found Seq. I 3 hrs
     - CGS 2100C 3 hrs
     - HFT 1000 3 hrs
     - PSY 2012 or SYG 2000 3 hrs
     - AN 2000 3 hrs
   - Spring:
     - ENC 1102 3 hrs
     - SPC 1608 3 hrs
     - Cult/Hist Found Seq. II 3 hrs
     - MAC 1105 3 hrs
     - HFT 2750 3 hrs

Sophomore Year
   - Fall:
     - Science Found I 3 hrs
     - ECO 2013 or ECO 2023 3 hrs
     - HFT 2220 3 hrs
     - HFT 3443 Event Tech 3 hrs
     - HFT 3670 HosEvent Risk 3 hrs
   - Spring:
     - Science Found II 3 hrs
     - HFT 2401 3 hrs
     - Cult/Hist Foundation 3 hrs
     - HFT 3512 Event Promo 3 hrs

Junior Year
   - Fall:
     - HFT 3792 Evnt Design 3 hrs
     - FSS 2221C 3 hrs
     - HFT 3431 3 hrs
     - HFT 2254 3 hrs
     - HFT 3940 1 hr
     - HFT 3540 3 hrs
   - Spring:
     - HFT 4941 3 hrs
     - Hos Event Elective 3 hrs

Senior Year
   - Fall:
     - HFT 4757 3 hrs
     - HFT 4944 1 hr
     - HFT 3933 3 hrs
     - Hos Event Elective 3 hrs
     - Free electives 6 hrs
   - Spring:
     - HFT 4791 Evnt Mgmnt II 3 hrs
     - Hos Event Elective 3 hrs
B. Cultural-Historical Foundation (9 hrs)
   1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
   2. Prefer: Lit 2110 World Literature I or Lit 2120 World Literature II or PHI 2030 Introduction to Philosophy, or REL 2300 World Religion 3 hrs
   3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
C. Mathematical Foundation (6 hrs)
   1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
   2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
D. Social Foundation (6 hrs)
   1. Prefer: POS 2041 American National Government 3 hrs
   2. Prefer: PSY 2012 General Psychology 3 hrs
E. Science Foundation (6 hrs)
   1. Prefer: PSC 1111 Physical Science 3 hrs
   2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

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

3. Other Program Requirements (15 hrs)
   EDF 2100* Child and Adolescent Development for Educators 3 hrs
   EDF 2720* Children in Schools: Legal, Ethical, and Safety Concerns 3 hrs
   EEX 2010 Introduction to Special Education 3 hrs
   EEX 275B* Enhancing Family Involvement in Education 2 hrs
   EAE 2601 Elementary School Mathematics 4 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Exceptional Education Program Recommended Sequence of Required Courses

Exceptional 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 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 Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I (12 hrs)
   EDF 4410* Teaching Strategies and Classroom Management 3 hrs
   EEX 3241* Methods of Academic Skills for Exceptional Students 3 hrs
   RED 3012* Basic Foundations of Reading 3 hrs
   TSL 4000* Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   *Courses to be taken prior to Internship I

Semester II (15 hrs)
   EDF 4467 Learning Theory and Assessment 3 hrs
   EEX 3243 Techniques for Exceptional Adolescents and Adults 3 hrs
   LAE 4314 Language Arts in Elementary School 3 hrs
   TSL 4240 Issues in Second Language Acquisition 3 hrs
   RED 4519 Diagnostic & Corrective Reading Strategies 3 hrs
   Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II

Semester III (Summer) (6 hrs)
   EEX 3221 Assessment of Exceptional Students 3 hrs
   EEX 4606 Curriculum, Theory & Instructional Strategies for Students with Special Needs

   Please note: it is required to take the Professional Education Test (PEd) after completion of Semester I and II, but prior to Semester III and IV. It is required to take the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) during Semester III and 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.

Semester IV (15 hrs)
   EEX 3942 Internship I 3 hrs
   EEX 4601* Introduction to Behavior Management 3 hrs
   EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
   RED 4942 Pract for Assessment and Instruct of Reading 3 hrs
   Methods Content Area Course I – Select one from: 3 hrs
   (In addition to Semester II)
   SCE 3310 Teaching Science in Elementary School 3 hrs
   SSE 3312 Teaching Social Science in the Elementary School 3 hrs
   LAE 3414 Literature for Children 3 hrs
   *To enroll in these courses, you must be registered for EEX 3942 Internship I.

   Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://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 4943 Internship II).

Semester V (12 hrs)
   EEX 4943 Student Teaching – Internship II 9 hrs
   Methods Content Area Course II – Select one from: 3 hrs
   SCE 3310 Teaching Science in Elementary School 3 hrs
   SSE 3312 Teaching Social Science in the Elementary School 3 hrs
   LAE 3414 Literature for Children 3 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-5.005.

   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.

5. Foreign Language Requirements (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.)

6. 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 (FTCE).

7. University Minimum Exit Requirements
   A 2.0 UCF GPA
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   25% of course work must be completed in residency at UCF
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 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

9. Recommended Four-Year Sequence of Courses
   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.
UCF Degree Programs

Freshman Year

Fall 12 hrs  
EDF 2005 Intro to the Teaching Prof 3  
ENC 1101 English Composition I 3  
MGF 1106 Finite Mathematics 3  
PSY 2012 General Psychology 3  
EDF 2130 Child and Adult Dev Ed 3  
Spring 15 hrs  
EDF 2085 Intro to Diversity for Ed 3  
ENC 1102 English Composition II 3  
EDF 2130 Child and Adult Dev Ed 3  
REL 2300 World Religions or 3  
Phil 2010 Intro to Philosophy or 3  
LIT 2110 World Lit I or 3  
LIT 2120 World Lit II 3

Sophomore Year

Fall 12 hrs  
EME 2040 Intro to Tech for Educators 3  
LIT 2110 World Lit I 3  
STA 2014C Princ of Stats 3  
ENC 1101 English Composition I 3  
Ethical and Safety Concerns 3  
Spring 12 hrs  
AMH 2020 U.S. History 1877-present 3  
EEX 2758” Enhance Fmly Involve Ed 2  
EDF 2720 Child in Sch: Legal, Ethical and Safety Concerns 3  
MAE 2801 Elem Sch Math 4  
EEX 2010 Intro to Special Ed 3

*Note: 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.

Junior Year

Fall 12 hrs  
EDG 4410 Teach Strat & Class Mgmt 3  
TSL 4080 Theory & Prac of Teach 3  
ESOL Students in Schools 3  
EEX 3241 Methods of Academic Skills for Except Students 3  
RED 3012 Basic Found of Read 3  
Spring 15 hrs  
EEC 3243 Techniques for Exception 3  
LAE 4134 Lang Arts in the Elem Sch 3  
EEX 4647 Learn Theory & Assmnt 3  
TSL 4240 Issues in 2nd Lang 3  
RED 4519 Diaq & Corr Rdg 3

Note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II

Senior Year

Fall 15 hrs  
EEX 4762 Tech for Classroom Teach 3  
of Students with Special Needs 3  
EEX 4601 Intro to Behavior Management 3  
EEX 3942 Internship I 3  
RED 4942 Pract for Assess 3  
Select Methods Content I* 3  
Spring 12 hrs  
EEC 4942 Student Teaching - Internship II* 3  
Select Methods Content II* 3  
EEX 3942 Internship II 3

*Note: It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.

Not required: GEP 3

**To enroll in this course, you must be registered for EEX 3942 Internship I.

FILM - B.F.A.

College of Arts and Humanities

Film, NSC 121, 407-823-4285

http://www.film.ucf.edu

E-mail: film@mail.ucf.edu

Department Chair: S. Schlow, 407-823-2845

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 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 Web site, http://www.film.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 taken 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.
- The Film BFA demands a closely integrated curriculum. Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.
- 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 (36 hrs)

A. Communication Foundations
   - FIL 2030* History of the Motion Pictures 3 hrs

B. Social Foundations
   - EDF 2005 Intro to the Teaching Profession 3 hrs
   - EDF 2720 Child in School: Legal, Ethical and Safety Concerns 3 hrs

C. Scientific Foundations
   - Select one class from 1.B.1 list 3 hrs

D. Social Foundations
   - Select one class from 1.B.2 list 3 hrs

E. Cultural and Historical Foundations
   - Select one class from 1.B.3 list 3 hrs

2. Common Program Prerequisites (3 hrs)

- FIL 2030* History of the Motion Pictures
- GEP

3. Lower Level Core Requirements (21 hrs)

- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2109 Cinematic Expression for Majors 3 hrs
- FIL 2592 Editing I 3 hrs
- FIL 2480 Directing I 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs

4. Upper Level Core Requirements (36 hrs)

- FIL 3115 Short Script I 3 hrs
- FIL 3132 Short Script II 3 hrs
- FIL 3427C Intro to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3506 Film History I 3 hrs
- FIL 3507 Film History II 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3922 Film Colloquium 6 hrs

5. Upper Level Restricted Electives (12 hrs)

Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of independent Study may be substituted with advisor’s prior approval.

- Production/Direction
- DIG 4704C Interactive Entertainment
- FIL 363C Film Documentary
- FIL 4472C Cinematography II
- FIL 4535C Sound Design for Film II
- FIL 4536 Sound Design for Film III
- FIL 4541 Design for Film
- FIL 4487 Directing III
- FIL 4566C Editing II

- Screen Writing
- FIL 4103 Adaptation
- FIL 4162C Feature TV Writing
- FIL 4163C Feature TV Writing II
- FIL 4113C Interactive Writing I
FIL 4114C Interactive Writing II
FIL 4126C Genre Writing
FIL 4906 Independent Study

Cinema Studies
FIL 3800C Women in Film
FIL 3831 Black Cinema
FIL 3851 Avant-Garde Cinema
FIL 3894C Film Theory and Criticism II
FIL 3841 French New Wave Cinema
FIL 3824 Italian Neo-Realist Cinema
FIL 3847 Latin American Cinema
FIL 3820 Italian Film
FIL 3822 French Film
FIL 3823 German Film
FIL 3826 American Cinema
FIL 3871 American Film Artist
FIL 4436 Film Theory/Film/Production

Digital Cinema
ART 2820 Art as Interface
ART 3618C Post-Production Design
COP 3920C Computer Science I
DIG 4855C Converging Media
DIG 3138C Digital Imagery
DIG 4700C Modeling for Realtime Graphics
ENC 4415 Digital Rhetoric & Modern Dialectic
DIG 3134 Internet Software Design
MUC 3311 MIDI Sequencing I

6. Capstone Courses (6 hrs)
FIL 4434C Capstone I 3 hrs
FIL 4661 The Film Producer 3 hrs

7. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in major courses.
- Computer competency met by CGS 1060C or STA1060C or FIL 2552.
- Department of Film requires an exit interview.

8. Foreign Language Requirements (0-8 hrs)
Admission: 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.

9. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A 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 CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema
Related Minors: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable substitutes for Common Program Prerequisites
- FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must still 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.

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 Fee
- Full-time Student ............................... $90 per term
- Part-time Student ............................... $45 per term

FILM - CINEMA STUDIES TRACK (B.A.)
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Department Chair: S. Schiow, 407-823-2945

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 “B” (3.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entree into the BFA Film Program.
- Co-op or internship credit cannot 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 (36 hrs)
   A. Communication Foundations ................................. 9 hrs
   B. Cultural and Historical Foundations
      Prefer one course from 1.B.1 list .......................... 3 hrs
      Prefer FIL 2030 3 hrs
      Prefer one course from 1.B.1 or 1.B.2 list .................. 3 hrs
   C. Mathematical Foundations
      Select MGF 1106 or MGF 1107
      (may substitute a higher level math) ....................... 3 hrs
      Prefer CGS 1060C or STA 1060C 3 hrs
      Select STA 1060C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)
   FIL 2030* History of the Motion Pictures
   FIL 1007* Foundations of Story

*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (48 hrs)
   DIG 2000 Introduction to Digital Media 3 hrs
   FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2423 Foundations of Production 3 hrs
   FIL 3006 Art of the Cinema 3 hrs
   FIL 3102 Writing for Film and TV or 3 hrs
   FIL 3115 Short Script 3 hrs
   FIL 3462C Cinematic Expression 3 hrs
   FIL 3363C Film Documentary 3 hrs
   FIL 3036 Film History I 3 hrs
   FIL 3037 Film History II 3 hrs
   FIL 3051 Avant-Garde Cinema 3 hrs
   FIL 3800C Film Theory and Criticism I 3 hrs
   FIL 3804C Film Theory and Criticism II 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 3826 American Cinema 3 hrs
   FIL 4661 The Film Producer 3 hrs

Full-time Student ........................................... $90 per term
Part-time Student ......................................... $45 per term

UCF Degree Programs

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4. Restricted Upper Division Electives (9 hrs)
Select three courses from the following upper level FIL courses:
DIG 4855C Converging Media
DIG 4704C Interactive Entertainment
FIL 3850 Cinema Director
FIL 3880C Women in Film
FIL 3041 History of Animated Films
FIL 3831 Black Cinema
FIL 3841 French New Wave Cinema
FIL 3824 Italian Neo-Realism Cinema
FIL 3847 Latin American Cinema
FIL 3841 International Cinema
FIL 3820 Italian Film
FIL 3822 French Film
FIL 3823 German Film
FIL 3852 Cinema Criticism (writing)
FIL 3871 American Film Artist
FIL 4436 Film Theory/Film Production
FIL 4906 Independent Study
FIL 5812 Film and Internet Business

(a maximum of six hours Independent Study may be used)

5. Required Minor (18 hrs min)
Must be taken outside the Film Department.

6. Departmental Exit Requirements
   A student must maintain an overall average of “B” (3.0) or better in major courses.
   Computer competency met by CGS1060 or STA1060C or FIL 1007

7. Foreign Language Requirements (0-8 hrs)
   Admission: 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 (variable)
   Select primarily from upper division courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

 RELATED PROGRAMS: Animation, Art, Creative Writing, Film, Music, Theatre, Radio/TV

RELATED MINORS: Art, Creative Writing, Music, Theatre

TRANSFER NOTES:
   Courses taken at community colleges do not substitute for Upper Division courses.
   Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

ACCEPTABLE SUBSTITUTES for Common Program Prerequisites
   FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
   FIL 1007 may use any introductory course. However, FIL 1007 is a prerequisite for all Cinema Studies courses and must be taken.

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 Fee
   Full-time Student ........................................... $90 per term
   Part-time Student ........................................... $45 per term

FILM - WORLD CINEMA TRACK (B.A.)
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.filmm.cah.ucf.edu
E-mail: film@mail.ucf.edu
Department Chair: S. Schlow, 407-823-2845

Admission Requirements
   Limited Access
   The Film-World Cinema track is a limited access program.
   Students must attain an overall minimum 2.5 GPA before applying.
   Students should apply to become Film majors only after completing all requirements for admission to the University.
   A portfolio and an interview are required for entry into the Film World Cinema track.

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 courses within the major.
   A maximum of three credit hours on 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 should consult with a departmental advisor.
   All students are required to pay for equipment insurance.
   Departmental residency requirement consists of at least 24 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 (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Prefer one course from 1.B.1 list
      Prefer FIL 2030
      Prefer one course from 1.B.1 or 1.B.2 list
   C. Mathematical Foundations
      Prefer MGF 1106 or MGF 1107
      (may substitute a higher level math)
      Prefer CGS 1060 or STA 1060C
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)
   FIL 2030* History of Motion Pictures
   FIL 1007* Foundations of Story
   *See Transfer Notes for possible substitutions
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (57 hrs)
   DIG 2000 Introduction to Digital Media 3 hrs
   FIL 1009 Cinematic Expression for Majors 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2461 Cinematography I 3 hrs
   FIL 2480 Directing I 3 hrs
   FIL 2552 Editing I 3 hrs
   FIL 3115 Short Script I 3 hrs
   FIL 3427C Introduction to Film Production 3 hrs
   FIL 3534 Sound Design for Film I 3 hrs
   FIL 3535C Film Documentary 3 hrs
   FIL 3304C Documentary Vision 3 hrs
   FIL 3307 Doudorama 3 hrs
   FIL 3308 Film History I 3 hrs
   FIL 3303C Film Theory and Criticism I 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 4301C Documentary Workshop I 3 hrs
   FIL 4302C Documentary Workshop II 3 hrs
   FIL 4302 Film Business 3 hrs
   FIL 4647 Film Production Management 3 hrs

4. Upper Level Restricted Electives (9 hrs)
   Select three of the following
   FIL 3804C Film Theory and Criticism II
   FIL 3847 Latin American Cinema
   FIL 4844 African Cinema
   FIL 4808 Images & Text in Context
   FIL 4661 The Film Producer
   Additional courses may be acceptable. Consult your advisor.
6. Departmental Exit Requirements
- A student must maintain an overall average of "B" (3.0) or better in courses within the major.
- Computer competency met by CGS 1060C or STA 1060C or FIL 2552.
- Department of Film requires a passing grade on an exit examination.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.
Related Minors: Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
- FIL 2030 may substitute 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

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 Fee
- Full-time Student ................. $90 per term
- Part-time Student ................. $45 per term

FINANCE (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu/finance
Not eligible for a double degree with another College of Business Administration major

Admissions Requirements
- Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
A. Communications Foundations 9 hrs
  Preferred: SPC 1608 Fund of Oral Communication
B. Cultural and Historical Foundations 9 hrs

2. Core Classes (36 hrs)
First or subsequent semester in the College of Business Administration:
- GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- BUL 3130 Legal & Ethical Environments of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- CMM 411C Essentials of Management Information Systems 4 hrs
- MAR 3023 Marketing 4 hrs
- Last Semester:
  - MAN 4720 Strategic Management 4 hrs

3. Restricted Electives (6 hrs)
Select two of the following:

- FIN 4313 Management of Financial Institutions 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4424 Adv Topics in Financial Management 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

4. Special College and/or Department 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 finance 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 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 sections 5 and below) can count toward another major or minor degree program.
- 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. FIN 3403C is included in this requirement.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
- FIN 3333 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4453 Financial Models 3 hrs
- Select two of the following:
  - FIN 4313 Management of Financial Institutions 3 hrs
  - FIN 4324 Commercial Bank Management 3 hrs
  - FIN 4424 Adv Topics in Financial Management 3 hrs
  - FIN 4514 Portfolio Analysis and Management 3 hrs
  - FIN 4533 Financial Derivatives 3 hrs
  - FIN 4604 International Financial Management 3 hrs

6. Electives (6 hrs)
Select two of the following:

- ACG 3131 Financial Accounting Concepts 3 hrs
- ACG 3141 Intermediate Financial Accounting 3 hrs
- ACG 3221 Intermediate Managerial Accounting 3 hrs
- ECO 4412 Economic Statistics and Econometrics 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 4313 Management of Financial Institutions 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4424 Adv Topics in Financial Management 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

C. Mathematical Foundations
- Select MAC 1140 Pre-Calculus 3 hrs
- Select CGS 2100C Computer Fund for Business 3 hrs

D. Social Foundations
- Select ECO 2025 or ECO 2023 3 hrs
- Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites (18-21 hrs)
Must be completed with a "C" (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- *At UCF, students who have completed MAC 2233 and STA 2203 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 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
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)

Total Semester Hours Required 120 hrs

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” or better in each common program prerequisites class.

ACG X001 and X011 will substitute for ACG 2021 at UCF.

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 (50) 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.

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 Fee

- Full-time Student ............................................ $30 per term
- Part-time Student ........................................... $15 per term

FOUR YEAR PLAN OF STUDY - FINANCE

Freshman

1st Term  15 hrs  2nd Term  15 hrs
- ENC 1101 3  ENC 1102 3
- Cult-Hist I 3  Cult-Hist II 3
- SPC 1608 3  Art/Music/Lit 3
- MAC 1105 3  CGS 2100C 3
- Elective*** 3  Elective*** 3

Must complete nine hours in a summer semester

Sophomore

1st Term  15 hrs  2nd Term  15 hrs
- ECO 2013 3  ECO 2023 3
- ACG 2021 3  ACG 2071 3
- Science 3  Science 3
- Psy/Soc/Ant 3  ECO 3401 3
- Elective*** 3  Elective*** 3

Junior

1st Term  16 hrs  2nd Term  17 hrs
- GEB 3003 3  FIN 3303 3
- GEB 3375 4  FIN 3414 3
- MAR 3023 4  FIN 3504 3
- FIN 3403C 4  ECO 3411 4
- MAN 3025 4

Senior

1st Term  14 hrs  2nd Term  13 hrs
- BUL 3130 4  MAN 4720 4
- ISM 3011C 4  FIN 4453 3
- FIN Elective 3  FIN Elective 3
- FIN Elective 3  FIN Elective 3

***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.

FOREIGN LANGUAGE EDUCATION - FRENCH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

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 and/or CLAST examination (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 (36 hrs)

A. Communication Foundation (9 hrs)
- ENC 1101 English Composition I 3 hrs
- ENC 1102 English Composition II 3 hrs
- 3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation (9 hrs)
- 1. Prefer: AMH 2010U.S. History 1492-1877 3 hrs
- 2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundation (6 hrs)
- 1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs

D. Social Foundation (6 hrs)
- 1. Prefer: POS 2041 American National Government 3 hrs
- 2. Prefer: PSY 2012 General Psychology 3 hrs
E. Science Foundation
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1105

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 2105 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

Note: 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.

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

3. Other Program Requirements (6 hrs)
EDF 2105 Child & Adolescent Development for Educators 3 hrs
FRE 2201* Intermediate French Language and Civilization II 3 hrs

*Requisite FRE 2200 can be satisfied by FL proficiency test or CLEP test, or successful completion of FRE 2201.

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)
EDG 4410*** Teaching Strategies and Classroom Management 3 hrs
EDF 4467*** Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
RED 4043 Content Reading Kindergarten through Grade 12 3 hrs
EEX 4242# Teaching Exceptional Students in Secondary Settings 3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs

***Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

5. Internship I (3 hrs)
PFE 3940 Internship I 3 hrs

Program Internship I Prerequisites: EDG 4410, EDF 4467, ELE 4431, FLE 4433, 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.education.ucf.edu/clinicalexp/.

6. Specialization Requirements (33 hrs)
FLE 4433*** Foreign Language Teaching in the Sec School 3 hrs
FLE 4431*** Foreign Language Teaching in Elem Schools 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRE 3760 Advanced French Oral Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 4422 Advanced French Composition 3 hrs
Upper division restricted electives 6 hrs

(FRE/FRW 3430 with advisor's consent)**

Note: The following courses may be taken in place of FRE 4421 and FRE 4422:
FRE 3410* Advanced Oral French Abroad
FRE 3425# Advanced French Grammar Abroad

**Required prior to Internship I.

#Community college transfer students may substitute lower division restricted division electives, see advisor.

##May be taken as part of Summer Abroad Program.

7. Other Cognate Requirements (Linguistics) (3 hrs)
FRE 3780 French Phonetics and Diction 3 hrs

At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C" (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

8. Internship II (12 hrs)
PFE 4941 Internship II 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-5.066.

9. Foreign Language Requirements (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.)

10. 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.

11. University Minimum Exit Requirements
A 2.0 UCF GPA
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

12. Total Program Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

13. Recommended Four Year Sequence of Courses

Freshman Year
Fall 12 hrs
EDF 2050 Intro to the Teaching Profession 3 hrs
ENC 1101 English Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Spring 12 hrs
EDF 2050 Intro to the Diversity for Educators 3 hrs
ENC 1102 American National Gov 3 hrs
PSC 1121 Physical Science 3 hrs
POS 2041 American National Gov 3 hrs

Sophomore Year
Fall 15 hrs
EDF 2105 Child & Adolescent Development for Educators 3 hrs
ENC 1102 English Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Spring 12 hrs
EDF 2105 Child & Adolescent Development for Educators 3 hrs
ENC 1102 English Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Note: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
FOREIGN LANGUAGE EDUCATION - SPANISH (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://www.education.ucf.edu/language

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

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 and/or CLAST examination (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 (36 hrs)

A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1110 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 201C Principles of Statistics 3 hrs

D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

EDF 4467 Learn Theory & Asmt 3 hrs
EDG 4410 Teach Strat & Class Mgmt 3 hrs
FRE 3440 French Grammar 3 hrs
FRE 3420 French Composit 3 hrs
FRW 3100 Survey of French Lit I 3 hrs
FRW 3411 Introduction to French Lit 3 hrs

Note: In addition to EDF 2085, a minimum of six hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements (6 hrs)

EDF 2130** Child & Adolescent Development for Educators 3 hrs
SPN 2201* Intern Spanish Language and Civilization II 3 hrs
*SPN 3234 Advanced Directed Readings may be taken in place of SPN 2201 with permission of Instructor. Prerequisite: SPN 2201 can be satisfied by FL proficiency or CLEP test, or successful completion of SPN 2201 or SPN 3234.
**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

EDG 4410*** Teaching Strategies and Classroom Mgmt 3 hrs
EDF 4467*** Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
EEX 4082 Teaching Exceptional Students in Secondary Settings 3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs

***Required prior to Internship I.

5. Internship I (3 hrs)

FLE 3940 Internship I 3 hrs

Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

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/.

6. Specialization Requirements (27 hrs)

FLE 4314*** For Lang Tch in the Elementary School 3 hrs
FLE 4333*** For Lang Tch in the Secondary School 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
SPW 3100## Survey of Spanish Literature I 3 hrs
SPW 3101## Survey of Spanish Literature II 3 hrs
SPN 3345 Advanced Spanish Native Fluency I 3 hrs
SPN 3346 Advanced Spanish Native Fluency II 3 hrs

##Community College transfer students may substitute EEX 2010 Introduction to Special Education.

7. Upper Division Restricted Electives* (6 hrs)

Select two upper division Spanish courses (SPN 34XXX) 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

Any 4000-level Spanish literature course

Community college transfer students may substitute lower division restricted electives.

8. Other Cognate Requirements (3 hrs)

Select one of the following: 3 hrs

SPN 3852 Bilingualism or
SPN 4800 Spanish American Syntax or
SPN 4801 Spanish Morphosyntax

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.
9. Internship II Block (12 hrs)
- PLE 4941 Internship II 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-5.066.

10. Foreign Language Requirements (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.)

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 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

13. Total Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

14. Recommended Four Year Sequence of Courses

Freshman Year
Fall 12 hrs
- EDF 2005 Intro to the Teaching Prof 3
- ENC 1101 English Comp 1 3
- MGF 1106 Finite Mathematics 3
- PSY 2012 General Psychology 3

Summer 3 hrs
- EME 2040 Intro to Tech for Educators 3

Sophomore Year
Fall 12 hrs
- AMH 2010 U.S. History 1492-1877 3
- EDF 2130 Child Adol Dev Ed 3
- MGF 1106 Finite Mathematics 3
- PSY 2012 General Psychology 3

Spring 12 hrs
- AMH 2020 U.S. History 1877-present 3
- ENC 1102 English Comp II 3
- POS 2041 American National Gov 3
- PSC 1121 Physical Science 3

Summer 3 hrs
- EME 2040 Intro to Tech for Educators 3

Junior Year
Fall 15 hrs
- AMH 2511 The Human Species 3
- ENC 1101 English Composition I 3
- PCB 3063 Genetics 3
- SPN 3410 Spanish Comp 3
- EDF 2130 Child Adol Dev Ed 3

Spring 15 hrs
- AMH 2511 The Human Species 3
- ENC 1102 English Composition II 3
- PCB 3063 Genetics 3
- SPN 3410 Spanish Comp 3
- EDF 2130 Child Adol Dev Ed 3

Senior Year
Fall 12 hrs
- EDF 3940 Internm I 3
- FLE 4941 Internship II 12 hrs

Spring 12 hrs
- FLE 4941 Internship II 12 hrs

1. UF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102 6 hrs
2. Prefer SPC 1603 3 hrs

B. Cultural and Historical Foundations
1. Select MAC 2311 4 hrs
2. Select STA 2023 3 hrs

C. Mathematical Foundations
1. Select MAC 2311 4 hrs
2. Select STA 2023 3 hrs

D. Social Foundations 6 hrs

E. Science Foundations
1. Select PHY 2048 & L (PR: MAC 2311) 4 hrs
2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites (16 hrs)

BSC 2010C Biology I 4 hrs

CHM 2045C+ Chem Fund I 4 hrs

CHM 2046&L Chem Fund II with Lab 4 hrs

MAC 2311 Calculus w/ Anal Geometry I 4 hrs

MAC 2312 Calculus w/ Anal Geometry II 4 hrs

PHY 2048&L* Physics Engr. & Sci. I & Lab 4 hrs

PHY 2049&L* Physics Engr. & Sci. II & Lab 4 hrs

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Science and Math Requirements (18 hrs)

BSC 2010C Biology I 4 hrs

CHM 2210 Organic Chem. I 3 hrs

CHM 2214&L Organic Chem II & Lab 5 hrs

CHM 3120&L Analytical Chemistry & Lab 4 hrs

STA 2023 Statistical Methods I 3 hrs

PCE 263 Genetics 3 hrs

PCE 3233 Immunology 3 hrs

FORENSIC SCIENCE - ANALYSIS TRACK (B.S.)
Department of Sciences
College of Sciences
Department of Chemistry, CH 329, 407-823-6205
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Contact: B. Fookes

Admission Requirements

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 science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program 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 without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

UCF Degree Programs
UF Forensic Science-Biochemistry Track (B.S.)

College of Sciences
Department of Chemistry, CH 223, 407-823-0163
http://www.cos.ucf.edu/chemistry/
E-mail: chemistry@ucf.edu
Contact: J. Ballantyne

Admission Requirements
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.
1. UCF General Education Program (36+3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)
   A. Communication Foundations
      1. Select ENC 1101 and ENC 1102    6 hrs
      2. Prefer SPC 1603                   3 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311                  4 hrs
      2. Select STA 2023                  3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      1. Select PHY 2048&L (PR: MAC 2311) 4 hrs
      2. Select BSC 2010C                  4 hrs

2. Common Program Prerequisites (16 hrs)
   BSC 2010C Biology I                  GEP
   CHM 2045C*+ Chem Fund I              4 hrs
   CHM 2046L* Chem Fund II with Lab     4 hrs
   MAC 2311 Calculus w/ Anal Geometry I GEP
   MAC 2312 Calculus w/ Anal Geometry II GEP
   PHY 2048L* Physics Engr. & Sci. I & Lab GEP
   PHY 2049L* Physics Engr. & Sci. II & Lab GEP
*See Transfer Notes for possible substitutes
+CHM 2040C plus CHM 2041C can substitute for CHM 2045C
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Science and Mathematics Requirements (20 hrs)
   BSC 2010C Biology I                  GEP
   CHM 2210 Organic Chem. I             3 hrs
   CHM 2211L Organic Chem. II & Lab    5 hrs
   CHM 3120L Analytical Chemistry & Lab 4 hrs
   STA 2023 Statistical Methods I       GEP
   PCB 3063L Genetics & lab            4 hrs
   PCB 3233L Immunology & lab          4 hrs
   MAC 2311 Calculus & Anal Geo I      CPP
   MAC 2312 Calculus & Anal Geo II     CPP
   PHY 2048L Physics Science & Eng I   CPP
   PHY 2049L Physics Science & Eng II  CPP

4. Forensic Science Core (18 hrs)
   CHS 3501 Intro to Forensic Science   3 hrs
   CHS 3505C Forensic Microscopy        4 hrs
   CHS 4537 Forensic Lab Quality Assurance 2 hrs
   CHS 3505 Forensic Sci in the Courtroom 3 hrs
   CHS 3533 Forensic Biochemistry I     3 hrs
   CHS 4591 Forensic Science Internship 4 hrs

5. Forensic Biochemistry Track (30 hrs)
   MCB 3020C General Microbiology      5 hrs
   BCH 4053 Biochemistry I             3 hrs
   BCH 4054M Biochemistry II           3 hrs
   BCH 4103L Biochemical Methods Lab   2 hrs
   PCB 3522 Molecular Biology I        3 hrs
   PCB 4524 Molecular Biology II       3 hrs
   BSC 3463L Quantitative Biological Methods 4 hrs
   CHS 4534C Forensic Biochemistry II  3 hrs
   CHS 4532 Interpretation of DNA Evidence 3 hrs
   CHS 3533L Forensic Biochemistry Lab 1 hr

6. Departmental Exit Requirements
   ▪ Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. 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 36 hours of course work must be completed in residency at UCF
   ▪ 25% of course work must be completed in residency at UCF
   ▪ A 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 CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Science Analysis Track, Molecular Biology and Microbiology
Related Minors: Chemistry, Molecular Biology and Microbiology

Program Academic Learning Compacts
   Seat coursework and learning outcomes for undergraduate programs are located at: http://www.oceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   ▪ Full-time Student .......................... $90 per term
   ▪ Part-time Student .......................... $45 per term

Suggested 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.

Summer
   Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
   Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year
   Fall  Spring
   BSC 2010C Biology I               4 PHY 2048 Phy for Engr Sci I 3
   ENC 1101 Composition I            3 PHY 2048L Phy L Engr Sci I 1
   MAC 2311 Calc Anal Geo I          4 PHY 2048L Chem Fund II 3
   CHM 2045C Chemistry Fund I        4 MAC 2312 Calc Anal Geo II 4
   CHS 3501 Intro to For Sci         4 CHS 3505C Forensic Sci I 3
Sophomore Year

Fall
EUH 2000 3
SPP 1003 Tech Presentations 3
STA 2023 Stat Methods I 3
PHY 2049 Phy for Eng Sci II 3
PHY 2049L Phy L Eng Sci II 1
CHM 2210 Organic Chem I 3

Spring
MUL 2010 3
POS 2041 3
CHM 2211 Organic Chem II 3
CHM 2211L Organic Chem Lab I 2
MCB 3020C General Micro 5

Junior Year

Fall
CHM 3120 Analy Chem 4
PCB 3083 Genetics 3
PCB 3083L Genetics Lab 1
CHS 3505C Forensic Mic 4
CHS 4357 For L Qual Assur 2

Spring
ENH 1102 Composition II 3
REL 2300 3
CHS 3599 For Sci in the Crt 3
CHS 4552 Interp of Evdnc 3
Elective* Check restrictions 2

Senior Year

Fall
PCB 3233 Immunology 3
PSY 2012 3
CHS 3595 For Sci in the Crt 3
CHS 4552 Interp of Evdnc 3

Spring
ENC 1102 Composition II 3
PHS 3670* Adv Oral Communication 3
CHS 3595 For Sci in the Crt 3
CHS 4552 Interp of Evdnc 3

Summer
CHS 4591 For Science Intrm 4

Degree Requirements

- 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 Residence 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.
- 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 (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MGF 1108 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
      Prefer STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)
   FRE 1120C* Elem French Lang & Civ I 4 hrs
   FRE 1121C* Elem French Lang & Civ II 4 hrs
   FRE 2200* Intern French Lang & Civ I 3 hrs
   FRE 2201* Intern French Lang & Civ II 3 hrs
*May be met by proficiency test or completion of FRE 2201

3. Core requirements (21 hrs)
   FRE 3300* Advanced Grammar 3 hrs
   FRE 3420* French Composition 3 hrs
   FRE 4422 Advanced French Composition or 3 hrs
   FRE 4760* Adv French Oral Communication or 3 hrs
   FRE 4421 Advanced French Conversation 3 hrs
   FRW 3100 Survey of French Literature I 3 hrs
   FRW 3101 Survey of French Literature II 3 hrs
   FRE 3780* French Phonetics and Diction 3 hrs
   FOL 3730 Romance Philology 3 hrs
   *A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

4. Upper Division Restricted Electives (15 hrs)
   French literature beyond the survey level 6 hrs (taught in French)
   French courses 9 hrs

5. 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 CGS 1060C or equivalent

6. Foreign Language Requirements (0-16 hrs)
   Admission: Met by Graduation requirements.
   Graduation: Met by Common Program Prerequisites.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Spanish, Foreign Language Combination

Related Minors: French, German, Italian, Judaic Studies, Latin American and Iberian Area Studies, Spanish

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.

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
GENERAL BUSINESS (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major
E-mail: uss@bus.ucf.edu
Faculty Advisor: Undergraduate Student Services, BA2 101, 407-823-2184

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

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Preferred: SPC 1608
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus 3 hrs
      Select CGS 2100C Computer Fundamentals for Bus 3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   E. Science Foundation 6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a "C" (2.0) or better.
   - AGC 2071 Principles of Managerial Accounting 3 hrs
   - AGC 2072 Principles of Financial Accounting 3 hrs
   - MAC 1140 Pre-Calculus 3 hrs
   - STA 2023 Microeconomics 3 hrs
   - ECS 3401* Quantitative Business Tools I 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   -*At UCF, students who have completed MAC2233 and STA2023 will be waived from ECS 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECS 3401.

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

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - BUS 3130 Legal & Ethical Environments of Business 4 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - FIN 3403C Business Finance 4 hrs
   - MAN 3301 Management of Organizations 4 hrs
   - ISM 3253 Management Information Systems 4 hrs
   - MAR 4720 Strategic Management 4 hrs
   - Last Semester:

4. Special college and/or department requirements:
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- 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.

5. Second Level Core (5 courses): (15-16 hrs)
   Students must take one course from each of the following areas:
   - Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing. These five courses are restricted to the courses listed below:

   - Finance
     - FIN 3303 Financial Markets 3 hrs
     - FIN 3414 Intermediate Corporate Finance 3 hrs
     - FIN 3504 Investment Analysis 3 hrs
   - Management
     - MAN 3301 Management of Human Resources 3 hrs
     - MAN 4441 Conflict Resolution and Negotiation 3 hrs
     - GEB 3113 How to Start a Business 3 hrs
   - Management Information Systems
     - ISM 3253 MIS Techniques 4 hrs
     - ISM 4153C Enterprise Information Systems 3 hrs
     - ISM 4154 Enterprise Application Development 3 hrs
   - Marketing
     - MAR 3613 Marketing Research & Analysis 3 hrs
     - MAR 3403 Sales Force Management 3 hrs
     - MAR 4841 Service Marketing 3 hrs
     - MAR 4156 International Marketing 3 hrs
   - Economics*
     - ECP 3232 Money and Banking 3 hrs
     - ECP 3203 Contemporary Labor Economics 3 hrs
     - ECP 4703 Managerial Economics 3 hrs

   *ECP 4703 is required. ECP 3203 and ECP 3223 are restrictive electives only. With permission of Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. Restricted Electives (three courses): (9 hrs)
   Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

7. 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 first major.

8. Foreign Language Requirements (0-8 hrs)
   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

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.
- AGC X001 and X011 will substitute for AGC 2021 at UCF.
- 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.
**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.
- 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.

**9. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

**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 Fee**

- Full-time Student ........................................... $30 per term
- Part-time Student ............................................. $15 per term

**FOUR YEAR PLAN OF STUDY - ALL GENERAL BUSINESS MAJORS**

**Freshman**

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<td>3 ENC 1102*</td>
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<td>Cult-Hist I*</td>
<td>3 Cult-Hist II*</td>
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<td>SPC 1608</td>
<td>3 Art/MusicLit</td>
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<td><strong>Elective</strong></td>
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<td><strong>Elective</strong></td>
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<td>Must complete nine hours in a summer term</td>
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**Sophomore**

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<td>ACG 2071*</td>
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<td>Science</td>
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<td>Psy/Soc/Ant</td>
<td>3 <strong>Elective</strong></td>
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<tr>
<td><strong>Elective</strong></td>
<td>3 ECO 3401*</td>
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<td>**C” (2.0) or better grade required in each class</td>
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<tr>
<td>Student should choose major in one of the two areas of study below</td>
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**Junior**

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<td>BUL 3130</td>
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<td>ISM 3011C</td>
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<td>MAN 3025</td>
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**Senior**

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<td>4 MAN 4720</td>
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<td>Required FIN Course</td>
<td>3 ECP 4703</td>
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<td>Required ISM Course</td>
<td>3 Gen. Bus. Restrictive Elective*</td>
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<td>Required MAR Course</td>
<td>3 Gen. Bus. Restrictive Elective*</td>
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<td>Gen. Bus. Restrictive Elective**</td>
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<tr>
<td><strong>Students take 3 restrictive electives from approved list described above</strong></td>
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<tr>
<td><strong>General electives as required to reach 120 semester hours.</strong></td>
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**GENERAL BUSINESS (B.S.B.A.) A.S. to B.S. TRACK**

**Note:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

**HEALTH INFORMATION MANAGEMENT (B.S.) College of Health and Public Affairs Department of Health Management and Informatics HPA 210, 407-823-2353 [http://www.coahpa.ucf.edu/hmi/bshm.cfm](http://www.coahpa.ucf.edu/hmi/bshm.cfm) Undergraduate Program Director: Alice M. Noblin, RHIA; E-mail: anoblin@mail.ucf.edu**

**Admission Requirements**

Acceptance to the university does not necessarily constitute admission to the upper division health information management program.

- **Separate Application** to the limited access program must be made directly to the program prior to March 1 of the year admission is sought
- **UCF Application** must also be submitted by the program deadline of March 1st. 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)

**Degree Requirements**

- Students who are pending Health Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Information Management Program
- **UCF Residency Requirement:** 30 hours

**1. UCF General Education Program** (37 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 7 hrs
- F. Select BSC 2010C
- G. Select CHM 1032

**2. Common Program Prerequisites** (17 hrs)

- ZOO 3733C Human Anatomy* 4 hrs
- PCB 3703C Human Physiology* 4 hrs
- STA 2014C Statistics 3 hrs
- CGS 2100C Computer Science for Business* 3 hrs
- ACG 2011 Principles of Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

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

**3. Core Requirements** (66 hrs)

- HSC 3147 Introduction to Pharmacology 3 hrs
- HSA 3170 Health Care Finance 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4652 Health Law & Ethics 3 hrs
- HSC 4555 Pathophysiological Mechanisms 3 hrs
- HSA 4180 Organization/Management for Health Agencies 3 hrs
- or MAN 3025 Management of Organizations
## Computer Science for Business

### Related Programs:
- Health Services Administration, Business, Computer Science

### Graduation:
- None

### Departmental Exit Requirements
- None

### Upper Division Restricted Electives
- None

### Electives
- None

### Foreign Language Requirements
- 6 hours

### Admission Requirements

- **A.** Acceptance to the University as an undergraduate student in the university's General Education Program.
- **B.** Completion of an AA degree from a Florida Community College, or completion of UCF’s General Education Program.
- **C.** A 2.0 UCF GPA
- **D.** 60 semester hours earned after CLEP awarded
- **E.** 48 semester hours of upper division credit completed
- **F.** Consent of Program Director.
- **G.** A minimum of 100 documented clock hours working, volunteer experience in a variety of settings.
- **H.** Technical Standards Requirement

### Equipment Fee
- Full-time Student: $30 per term
- Part-time Student: $15 per term

### Tentative Course Schedule for Entering Freshmen

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>3</td>
<td>STA 2014C</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
<td>BSC 2010C</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>2</td>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>or AMH 210</td>
<td></td>
</tr>
<tr>
<td>or AN 2000</td>
<td>2</td>
<td>POS 2041 or ECO 2013</td>
<td>3</td>
</tr>
<tr>
<td><em>Plan your required nine summer hours into your course of study</em></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>3</td>
<td>ACG 2071</td>
<td>3</td>
</tr>
<tr>
<td>ZOD 3733C</td>
<td>3</td>
<td>PCB 3700</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001 or HUM 2230 or AMH 2020</td>
<td>3</td>
<td>or Course: ARH 2050</td>
<td></td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>3</td>
<td>One Course: ARH 2050</td>
<td></td>
</tr>
</tbody>
</table>

### Note:
- The asterisked courses may be taken at any time during the two years. The HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

### HEALTH SCIENCES - ATHLETIC TRAINING TRACK (B.S.)

#### College of Health and Public Affairs

- Department of Health Professions
- HPAN 204, 407-823-2747
- http://www.cohpa.ucf.edu/health.pro/athletic

#### Undergraduate Program Director:
- Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschellh@mail.ucf.edu

#### Admission Requirements

- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training.
  - B. 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.
  - C. A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
  - D. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.
  - E. 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.
  - F. Consent of Program Director.
  - G. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

#### Technical Standards Requirement

- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
UCF Degree Programs

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.

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 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. For 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.

Degree Requirements

- Students who are Health Sciences Athletic Training Pending and are admitted to the major must adopt the most current catalog
- 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

<table>
<thead>
<tr>
<th>1. UCF General Education Program</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select MAC 1105</td>
<td></td>
</tr>
<tr>
<td>Select STA 2023</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select POS 2041</td>
<td></td>
</tr>
<tr>
<td>Select PSY 2012</td>
<td></td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select BSC 2010C</td>
<td></td>
</tr>
<tr>
<td>Select CHM 2045C</td>
<td></td>
</tr>
</tbody>
</table>

2. Common Course Prerequisites (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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I and Lab</td>
<td></td>
<td>UCF</td>
</tr>
<tr>
<td>ZOD 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>Coll Physics I (algebra based)</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2048&amp;L</td>
<td>Physics for Scientists (calculus based)</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts of Nutrition</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>2 hrs</td>
<td>UCF</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>2 hrs</td>
<td>UCF</td>
</tr>
</tbody>
</table>

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

3. Professional Phase (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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4603C</td>
<td>Introduction to Athletic Training</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3620</td>
<td>Principles of Athletic Training</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3633C</td>
<td>Clinical Skills for Athletic Trainers I</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3607L</td>
<td>Practicum in Athletic Training I</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3623C</td>
<td>Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3649C</td>
<td>Clinical Skills for Athletic Training II</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4315C</td>
<td>Biomechanics of Sport</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3671C</td>
<td>Practicum in Athletic Training II</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4624C</td>
<td>Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4630C</td>
<td>Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4632C</td>
<td>Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4660C</td>
<td>Organization and Administration in Athletic Training</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 3510C</td>
<td>Physiologic and Metabolic Basis of Human Movement and Performance</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4635C</td>
<td>Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4672L</td>
<td>Practicum in Athletic Training III</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4666</td>
<td>Applied Fitness in Sport</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4673L</td>
<td>Practicum in Athletic Training IV</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4604</td>
<td>Sports Medicine in Field Application</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PET 4674</td>
<td>Senior Seminar</td>
<td>1 hr</td>
<td></td>
</tr>
</tbody>
</table>

4. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4674</td>
<td>Senior Seminar</td>
<td>1 hr</td>
<td></td>
</tr>
</tbody>
</table>

5. Departmental Exit Requirements (120 hrs)

Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

6. Electives (variable)

Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Information Management, Radiological Sciences, Psychology, and Sports & Fitness.

7. Foreign Language Requirements (0-8 hrs)

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

Graduation:

8. Program 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.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

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 Fee
- Full-time Student: $15 per term
- Part-time Student: $7.50 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 15 hrs Spring 13 hrs
ENC 1101 3 ENC 1102 3
PSY 2012 3 POS 2041 3
HSC 2000 2 BSC 2010C 4
MAC 2010S 3 MAC 1114 3
CHM 2045C 4

Sophomore Year
Fall 14 hrs Spring 16 hrs
PHY 2053C 4 MUL 2010 or REL 2300 or 3
ZOO 3733C 4 THE 2000 or PHI 2010 3
STA 2023 3 HUN 2002 3
EIH 2000 or HUM 2210 3 FBI 3763 4
or AMH 2010 or WOH 2012 4 SPC 1608 3

Summer 14 hrs
PET 4603C 3
PET 3670L3
PET 3633C 2
PET 4624C 3
HSC 3147 3
PET* 3671L 4

Junior Year
Fall 12 hrs Spring 12 hrs
PET 3670L 4 PET 3XXX 2
PET 3633C 2 PET 3623C 3
PET 4624C 3 PET 4315C 3
HSC 3147 3 PET 3671L 4
Elective* Elective*

Summer 8 hrs
PET 4630C 4
PET 4632C 4

Senior Year
Fall 13 hrs Spring 11 hrs
PET 4600C 3 PET 4674 1
PET 3510C 3 PET 4606 3
PET 4672L 4 PET 4673L 4
PET 4672L 4 PET 4604 3

*As needed to meet 120 hours of departmental exit requirement

HEALTH SCIENCES - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions
HPA2 203, 407-823-6761
http://www.cohpa.ucf.edu/health/pro/hsgps.cfm
Undergraduate Program Director: David M. Segal, PhD, E-mail: dsegal@mail.ucf.edu

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, pharmacy, physician assistant, and medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Admission Requirements: none

Degree Requirements:
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the 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 usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)

No transfer course will be accepted with a grade lower than a “C” (2.0).

- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses listed in math, biology, chemistry and physics are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.

1. UCF General Education Program (38 hrs)

A. Communication Foundations
9 hrs

B. Cultural Historical Foundations
9 hrs

Select MUL 2010 Enjoyment of Music or REL 2300 World Religions or THE 2000 Theater Survey or PHI 2010 Intro to Philosophy

C. Mathematical Foundations
6 hrs

Select MAC 1105 College Algebra
Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

D. Social Foundations
6 hrs

Select ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
Select PSY 2012 General Psychology

E. Science Foundations
8 hrs

Select BSC 2010C Biology I and Lab
Select PHY 2053C College Physics I and Lab

2. Common Program Prerequisites (0 hrs)

MAC 1114 Trigonometry GEP

STA 2014C Principles of Statistics or GEP

STA 2023 Statistical Method I

BSC 2010C Biology I

ECO 2013 Principles of Macroeconomics or GEP

ECO 2023 Principles of Microeconomics

PSY 2012 General Psychology

3. Core Requirements - Lower Division (32 hrs)

CGS 1060C Intro to Computer Science or 3 hrs

CGS 2100C Computer Fundamentals for Business

CHM 2045C Chemistry Fundamentals I with Lab 4 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals II Lab 1 hrs

CHM 2205 Introduction to Organic and Biochemistry 5 hrs

DEP 2004 Developmental Psychology 3 hrs

HSC 2000 Intro to the Allied Health Professions 2 hrs

HUN2002 Modern Concepts in Nutrition 3 hrs

MCB 2053C Microbiology for Health Professionals 4 hrs

PHY 2053C College Physics I and Lab (not for Sci and Eng) GEP

PHY 2054C College Physics II and Lab (not for Sci and Eng) 4 hrs

4. Core Requirements - Upper Division (29 hrs)

Basic and Health Sciences
(29 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs

HSC 4555 Pathophysiological Mechanisms 3 hrs

PCB 3703C Human Physiology and Lab 4 hrs

PHS 3733C Human Anatomy and Lab 4 hrs

Health Services
(15 hrs)

HSA 3111 US Healthcare Systems 3 hrs

HSC 4652 Health Law & Ethics 3 hrs

HSC 4500 Epidemiology 3 hrs

HSA 4702 Health Sciences Research Methods 3 hrs

HIM 4506C Quality Management 3 hrs
UCF Degree Programs

5. Upper Division Restricted Electives: (21 hrs)
A minimum of 7 courses from the list below
(Enrollment in MLS, Athletic Training and Medical Pharmacology courses is
required. Some courses below may have additional prerequisite courses required.
Course selection should be made in consultation with an advisor and may vary by student
depending on individual needs and objectives. Laboratory courses are required with
selection of science classes.)

HSA 3430  Health Care Economics  3 hrs
HSA 4180  Org & Mgt of Health Agencies 3 hrs
HSC 3110C  Medical Self Assessment  3 hrs
HSC 3537  Medical Terminology  3 hrs
*HSC 4159  Medical Pharmacology II  2 hrs
HSC 4594  Healthcare Needs of the Elderly  3 hrs
HSC 3593  HIV Disease  3 hrs
*HSC 3930  Preventive Healthcare  3 hrs
PET 3620  Principles of Athletic Training  3 hrs
PET 3633C  Clinical Skills for Athletic Trainers I  2 hrs
PET 3649C  Clinical Skills for Athletic Trainers II  2 hrs
PET 4606  Applied Fitness in Sport  3 hrs
*PCB 3233  Immunology  3 hrs
*PCB 3233L  Immunology Lab  1 hr
*PCB 3063  Genetics  3 hrs
*PCB 3063L  Genetics Lab  1 hr
*PCB 4805  Endocrinology  3 hrs
*BCH 4053  Biochemistry I  3 hrs
*MCB 3020C  General Microbiology  5 hrs
*MCB 3203  Pathogenic Microbiology  3 hrs
*MCB 3203L  Pathogenic Microbiology Lab  1 hr
*MCB 4503C  Virology  3 hrs
*ZOO 3744  Neurobiology  3 hrs
*ZOO 4704C  Clinical Neuroanatomy & Neuroscience  4 hrs
*ZOO 4605  Human Embryology  3 hrs
*RTE 4762  Anatomy for the Medical Image  3 hrs

*Recommended for Preprofessional students

6. Unrestricted Electives  (variable)
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 courses that are pre-requisites
for specific graduate programs of interest.

7. Foreign Language Requirements (0-8 hrs)
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. Program Exit Requirements (120 hrs)

- A minimum grade of “C” (2.0) in each program prerequisite
  course, in each core requirement course, and in each restricted electives
  (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance
  for admission.
- Students must take a minimum of 30 hours of upper-division
  courses from the Health Sciences Pre-Clinical major to obtain the
  UCF degree in Health Sciences Pre-Clinical Track.
- Students are required to have a personal interview after filing
  Intent to Graduate form online.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in
  residence at UCF
- Complete the General Education Program, the Gordon Rule, the
  CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: The participating student may also consider
applying for consideration to one or more of the following undergraduate professional degree options: Health Information Management, Athletic Training, Cardiopulmonary Sciences, Radiologic Sciences, and Health Services Administration. This program 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, pharmacy, physician assistant and medicine. Students with this preparation could also pursue

graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Biology, Chemistry, Molecular and Microbiology

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) 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 may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).

Students may elect to take Human Anatomy (ZOO 3733C) and
Human Physiology (PCB 3703C) at UCF in order to meet the
University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the
Human Anatomy and Physiology I & II requirement at a Florida public community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

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

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall  15 hrs  Spring  14 hrs
ENC 1101  3  ENC 1102  3
CGS 1080C or  3  CHM 2046 & 2046L  4
CGS 2100C  3  BSC 2010C  4
CHM 2065C  4  PSIY 2012  3
MAC 1105  3
**HSC 2000**  2

Summer  3 hrs
MAC 1114  3

Sophomore Year
Fall  16 hrs  Spring  17 hrs
PHY 2053C  4  MUL 2010 or REL 2300 or  3
HUN 2002  3  THE 2000 or PHI 2010  3
SPC 1608  4  MCB 2004C  4
EUE 2000 or HUM 2210 or  4  PHY 2054C  4
AMH 2010  4  EUE 2000 or HUM 2230 or  3
STA 2014C or STA 2023  3  AMH 2020
**SLS 2211C (2 credits) is recommended for preprofessional students as a substitution in spring term

Summer  3 hrs
MAC 1114  3

Junior Year
Fall  16/17 hrs  Spring  15/16 hrs
DEP 2004  3  HSC 4652  3
HSA 3111  3  CHM 2205  5
HSC 3147  3  PCB 3703C  4
ZOO 3733C  4  Restricted Elective  3/4

Senior Year
Fall  15/18 hrs  Spring  12/14 hrs
HSA 4702  3  HSC 4500  3
HSC 4555  3  HIM 4506C  3
Restricted Elective  3/4  Restricted Elective  3/4
Restricted Elective  3/4  Restricted Elective  3/4

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Students must earn a "C" (2.0) or better in each Core Requirement course.

### Agencies II
- HSA 4184 Organization & Management for Health           3 hrs
- HSC 4652 Health Care Law & Ethics 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs

### HIM 4506C Quality Management                                            3 hrs

Health Agencies I
- HSC 4201 Community Health Services 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSA 3430 Health Care Economics 3 hrs
- HSA 3222 Long Term Care Administration 3 hrs
- HSA 3210 Health Care Finance 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSA 3170 Health Services Administration Internship 3 hrs

Students must earn a "C" (2.0) or better in each Core Requirement course.

### Core Requirements
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSA 3170 Health Care Finance 3 hrs
- HSA 3222 Long Term Care Administration 3 hrs
- HSA 3430 Health Care Economics 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSC 4201 Community Health Services 3 hrs
- HSA 4180 Organization and Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HIM 4506C Quality Management 3 hrs
- HSC 4702 Health Sciences Research Methods 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4652 Health Care Law & Ethics 3 hrs
- HSA 4184 Organization & Management for Health Agencies II 3 hrs
- HSA 4941 Health Services Administration Internship 3 hrs

Students must earn a "C" (2.0) or better in each Core Requirement course.
UCF Degree Programs

Senior Year

Fall 15 hrs Spring 15 hrs
HSA 3430 3 HSC 4564 3
HSA 4653 3 HSA 4109 3
HSA 4184 3 HSA 4702 3
HSA 4502 or HIM 4506C 3 Internship 3
Elective/Minor 3 HSA 4XXX (Capstone) 3

Notes:
Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

**A variety of internship opportunities are available for HSA majors all over the country. You do not have to reside in Central Florida to complete an internship.**

HISTORY (B.A.)
College of Arts and Humanities
History Department, CNH 551
http://www.history.cah.ucf.edu
E-mail: history@ucf.edu
Contact: 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 from the UCF History Department
- Students must compile a portfolio of their written work in history, completed inside and outside the classroom
- 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 (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Select AMH 2010 US History: 1492-1877 3 hrs
      Select AMH 2020 US History: 1877-Present 3 hrs
      Select one class from 1.B.2 list (see GEP section of catalog) 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
      Prefer CGS 1060C Intro to Computer Sci 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)
   AMH 2010* US History: 1492-1877 GEP
   AMH 2020* US History: 1877-Present GEP
   *See Transfer Notes for possible substitutes
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)
   HIS 4150 History & Historians 3 hrs
   Select one sequence
   EIUH 2000, 2001 Western Civilization I & II 6 hrs
   WOH 2012, 2022 World Civilization I & II 6 hrs

4. Upper Division Restricted Electives (21 hrs)
   (Must be taken within the History Department)
   Select six hours of approved history courses within three of the four geographic regions.
   1) Asian, African, and Middle Eastern 18 hrs
   2) British and European
   3) Latin American
   4) U.S. and Canadian
   Select three hours of approved history courses 3 hrs

5. 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 representative samples of the student’s written work throughout major course work including, but not limited to, book critiques, in-class essay exams, and term papers.
   - Computer competency met by completion of the major
   - Students must complete at least 18 of the required 36 History hours at UCF

6. Foreign Language Requirements (0-8 hrs)
   Admission: 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.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities
Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women’s Studies

Transfer Notes:
- Grades below “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 common program prerequisites if taken prior to transferring to UCF:
   - AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. Students should realize that AMH 2010 and 2020 are prerequisites for all subsequent American history courses in the major.

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

Suggested 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
   AMH 2010 U S His 1492 1877 3
   BSC 1005* req# 1E2-GEP 3
   ENC 1101 Composition I 3
   POS 2041* req# 1D1-GEP 3
   WOH 1012 World Civilization I & II 3

Spring
   AMH 2020* U S His 1877-1945 3
   ENC 1102 Composition II 3
   MGF 1106 Finite Mathematics or MGF 1107 3
   SYG 2000* req# 1D2-GEP 3
   WOH 1022 Western Civilization II & III 3

Sophomore Year

Fall
   ARH 2050* req# 1B3-GEP 3
   CGS 1060C Intro to Comp Sci 3
   EUH 2000* req# 3-Core 3
   Elective* Check restrictions 3
   Elective* Check restrictions 3

Spring
   ARH 2050* req# 1B3-GEP 3
   CGS 1060C Intro to Comp Sci 3
   EUH 2000* req# 3-Core 3
   Elective* Check restrictions 3
   Elective* Check restrictions 3
   WOH 2012 World Civilization I & II 3
   SYG 2000* req# 1D2-GEP 3
   WOH 2022 World Civilization II & III 3

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HISTORY ACCELERATED PROGRAM (B.A. and M.A.)
Accelerated Undergraduate-Graduate Program
Note: For detailed information about this program, see the description in the “Accelerated Undergraduate-Graduate Programs” section.

HOSPITALITY MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
A. Communication Foundations
   9 hrs
B. Cultural and Historical Foundations
   9 hrs
C. Mathematical Foundations
   Select MAC 1105 College Algebra (GEP) 9 hrs
   or STA 2023 Statistical Methods I 3 hrs
D. Social Foundations
   Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
   or STA 2023 Statistical Methods I 3 hrs
E. Science Foundation
   Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
2. Common Program Prerequisite (3 hrs)
   HFT 1000 Introduction to Hospitality/Tourism 3 hrs
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Foundations
   Quantitative Tools
   CGS 2100C Computer Fundamentals of Business (GEP)
   or STA 2023 Statistical Methods I
   or ECO 2013 Macroeconomics or ECO 2023 Microeconomics
   or MAC 1105 College Algebra (GEP)
4. Hospitality Management Core (34 hrs)
   PSS 2221C Quantity Food Preparation 3 hrs
   HFT 3540 Guest Services Management 3 hrs
   HFT 2401 Hospitality Financial Accounting 3 hrs
   HFT 3431 Hospitality Managerial Accounting 3 hrs
   HFT 2500 Hospitality Marketing 3 hrs
   HFT 2220 Hospitality Human Resource Mgmt 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3663 Legal Environment in Hospitality 3 hrs
   HFT 4295 Leadership and Strg Mgmt in Hospitality Ind 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 3833 Distinguished Lectures in Hosp Mgmt 1 hr
5. Sectoral Core (Choose 6 of the Following 7) (18 hrs)
   HFT 2254 Lodging Operations 3 hrs
   HFT 3700 Tourism Management 3 hrs
   HFT 2750 The Event Industry 3 hrs
   HFT 3263 Restaurant Management 3 hrs
   HFT 3273 Principles of Resort Time Sharing 3 hrs
   HFT 4755 Theme Park and Attraction Mgmt 3 hrs
   HFT 4277 Yacht, Country, and City Club Mgmt 3 hrs
6. Internship (3 hrs)
   HFT 3940 Internship I 1 hr
   HFT 4941 Internship II 1 hr
   HFT 4944 Internship III 1 hr
7. Special College 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.
8. Restricted Electives: (15 Hrs)
   Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more that two courses (six credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.
   Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below
A. Vacation Ownership Resort Management Track – 15 hrs (5 Courses)
   HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
   HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
   HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
   HFT 4532 Managing the Employee Experience in Theme Parks and Attractions 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 4614 Risk Management in Theme Parks 3 hrs
   HFT 3784 Amusement Technology 3 hrs
B. Theme Park and Attraction Mgmt Track – 15 hrs (5 Courses)
   HFT 4735 Tourism Geography 3 hrs
   HFT 4722 Travel Agency Management 3 hrs
   HFT 4762 Current Practices in the Airline Industry 3 hrs
   HFT 4736 Destination Management 3 hrs
   HFT 4851 Destination Marketing 3 hrs
   HFT 3770 Cruise Line Operations and Management 3 hrs
C. Tourism Management Track – 15 hrs (5 Courses)
   HFT 4333 Hospitality Physical Plant Management 3 hrs
   HFT 4343 Hospitality Facilities Planning & Design 3 hrs
   HFT 4473 Hotel Development Analysis 3 hrs
   HFT 4253 Hotel Operations 3 hrs
   HFT 3815 Reservations Sales & Marketing 3 hrs
D. Lodging Management Track – 15 hrs (5 Courses)
   HFT 3323 Hospitality Industry Finance 3 hrs
   HFT 4343 Hospitality Facilities Planning & Design 3 hrs
   HFT 4473 Hotel Development Analysis 3 hrs
   HFT 4253 Hotel Operations 3 hrs
   HFT 3815 Reservations Sales & Marketing 3 hrs
E. Hospitality Financial Management and Technology – 15 hrs (5 Courses)
   HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
   HFT 4473 Hotel Development Analysis 3 hrs
   HFT 4457 Food, Beverage and Labor Cost Controls 3 hrs
   HFT 4432 Hospitality Industry Auditing 3 hrs
   HFT 4413 Technology Applications for Management 3 hrs
F. Golf and Club Management Track (Choose 5 Courses from the following list)
   HFT 3350 Career and Promotional Development in Golf 3 hrs
   HFT 3357 Golf Event Operations 3 hrs
   HFT 3384 Golf and Club Enterprises 3 hrs
   HFT 1256 Concepts and Practices of Golf Assoc. 3 hrs
   HFT 2259 Design and Maintenance of Golf Equip 3 hrs
   HFT 3353 Golf Planning and Operations I 3 hrs
   HFT 3355 Golf Planning and Operations II 3 hrs
   HFT 4354 Agronomy for Golf Course Mgmt 3 hrs
   HFT 4358 Golf Course Facility Design 3 hrs

UCF Degree Programs
FOUR YEAR PLAN OF STUDY FOR HOSPITALITY MANAGEMENT*  
*Plan your required nine summer credit hours into your course of study.

Freshman

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<td>Cult-Hist II</td>
<td>3</td>
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<tr>
<td>CGS 2100C or STA 2023</td>
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<td>SPC 1608</td>
<td>3</td>
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<td>HFT 1000</td>
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<td>HFT 2500 Hospitality Marketing</td>
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<td>PSY 2012, SYG 2000 or ANT 2000</td>
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Sophomore

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Junior

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<td>HFT 3431 Hosp Mgr Acct</td>
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<td>HFT 3933 Dist Lect in Hosp</td>
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<td>Sectoral Study Course</td>
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Senior

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<tr>
<td>Operations Core</td>
<td>3</td>
<td>Hospitality Elective</td>
<td>3</td>
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B. Multicultural Humanities

1. Foundations (9 hrs)
   - HUM 3320 Contemporary Multicultural Studies 3 hrs
   Select one
   - HUM 3431 Ancient Humanities 3 hrs
   - HUM 3435 Medieval Humanities 3 hrs
   Select one
   - HUM 3252 Contemporary Humanities 3 hrs
   - HUM 3255 Modern Humanities 3 hrs

2. Traditions and Applications (15 hrs)
   - ANT 3311 Indians of the Southeastern US
   - ARH 3520 African Art
   - HUM 3401 Asian Humanities
   - HUM 3417 Hindu Thought and Culture
   - HUM 3419 Islamic Thought and Culture
   - HUM 3533 Moses Jesus and Mohammed
   - HUM 3460 Latin American Humanities
   - JST 3401 The Jewish People I
   - PHP 3701 Native American Philosophy
   - PHP 3790 African Philosophy
   - PHP 3123 Feminist Theory

C. Critical Humanities

1. Foundations (9 hrs)
   - HUM 3255 Modern Humanities
   - HUM 3252 Contemporary Humanities
   - PHI 4804 Critical Theory

2. Traditions and Applications (15 hrs)
   - HUM 4330 Performance Theory
   - HUM 4554 Religious Quest and the Human Dilemma
   - HUM 3930 Representations of Place and Space
   - PHP 3510 Marx and Nietzsche
   - PHI 3638 Ethical Issues in the 21st Century
   - PHI 3023 Philosophy, Religion, and the Environment
   - PHI 3022 Sexuality, Gender, and Philosophy
   - PHP 3123 Feminist Theories
   - PHP 3726 Existentialism
   - PHP 4782 Phenomenology
   - REL 3111 Religion and Philosophy through Film
   - REL 3115 Religion, Spirituality, and Popular Music

5. Upper division 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.

6. Honors in the Major

Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core and Elective Requirements (33 hrs)

   Same requirements as for regular majors

Honors Thesis
- HUM 4903H Honors Directed Readings 3 hrs
- HUM 4907H 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
- Earn a “B” (3.0) or better in both HUM 4903H and HUM 4907H
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No More than three courses (i.e. nine credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities may be simultaneously applied to fulfill another major.

7. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- Computer Competency met by HUM 4907H, HUM 4933, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements (0-8 hrs)

   Admission: 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.

9. Electives (variable)

   Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Religious Studies, Philosophy, Humanities—Philosophy, Religion, and Popular Culture

Related Minors: Environmental Studies, Humanities, Philosophy, Religious Studies

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.

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

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

UCF Degree Programs

HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.)

College of Arts and Humanities

Philosophy Department, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Advisor: Doug Evans, 407-823-2277; Fax: 407-823-6658;
Advisor (Cocoa): Shelley Park, 321-433-7919

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
UCF Degree Programs

- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   a. Communication Foundations
      - HUM 2210 Humanities Traditions I
      - HUM 2230 Humanities Traditions II
      - PHI 2010 Intro to Philosophy
      - GE P
      - 9 hrs
   b. Cultural and Historical Foundations
      - Select REL 2300 World Religions or PHI 2010 Intro to Phil
      - 3 hrs
   c. Mathematical Foundations
      - Prefer MGF 1106 Finite Mathematics
      - 6 hrs
   d. Social Foundations
      - Prefer STA 1060C Statistics Using Excel
      - 6 hrs
   e. Science Foundations
      - 6 hrs

2. Common Program Prerequisites none

3. Core requirements (18 hrs)
   a. Core
      - HUM 2210 Humanities Traditions I
      - HUM 2230 Humanities Traditions II
      - PHI 2010 Intro to Philosophy
      - GE P
      - 0 hrs
   b. Theoretical Foundations
      - PHI 3684 Ways of Living
      - PHI 4341 Ways of Knowing
      - 6 hrs
   c. Philosophy
      - Select two courses:
        - PHI 2108 Critical Thinking
        - PHI 3670 Ethical Theory
        - PHI 3700 Philosophy of Religion
        - PHI 3800 Aesthetics
        - PHM 3100 Freedom and Justice
        - PH 3720 Faith and Reason
        - PHP 3786 Existentialism
        - PHI 4804 Critical Theory
        - PHI 4300 Theories of Knowledge
        - (6 hrs)
   d. Religion
      - Select two courses:
        - HUM 3552 Christian Thought
        - HUM 3553 Moses, Jesus, and Mohammed
        - HUM 3417 Hindu Thought and Culture
        - HUM 3419 Islamic Thought and Culture
        - HUM 4303 The Spiritual Ideal
        - PHI 4554 Religious Quest and the Human Dilemma
        - CLT 3378 Comparative Mythology
        - PHI 3010 Religion and the Arts
        - PHI 3526 Religion and the Environment
        - PHI 3630 Religion and the 21st Century
        - PHI 3683 Philosophy of condos
        - PHI 3020 Philosophy of Love
        - PHI 3323 Feminist Themes
        - PHI 4321 Philosophies of Embodiment: Mind/Body/Self
        - REL 3111 Religion in America
        - (6 hrs)

4. Popular Culture Studies (12 hrs)
   a. Contemporary Media
      - Select two courses:
        - HUM 3320 Contemporary Multicultural Studies
        - HUM 4556 Religion and the Arts
        - PHI 4320 Performance Theory
        - PHI 3526 Virtual Ethics
        - PHI 4501 Philosophy in the News
        - POS 3235 Mass Media and Politics
        - POS 3258 Politics in Film
        - REL 3115 Religion, Spirituality, and Popular Music
        - REL 3111 Religion and Philosophy through Film
        - SY 3630 Sociology of Popular Culture
        - (6 hrs)
   b. Contemporary Forms of Life
      - Select two courses:
        - ANT 3302 Sex, Gender and Culture
        - HUM 3252 Contemporary Humanities
        - PHI 3022 Sex, Gender, and Philosophy
        - PHI 3629 Family Values
        - PHI 3033 Philosophy, Religion and the Environment
        - PHM 3401 Philosophy of Law
        - PHM 3630 Ethical Issues in the 21st Century
        - PHI 3683 Philosophy of Friendship
        - PHI 3020 Philosophy of Love
        - PHI 3323 Feminist Themes
        - PHI 4321 Philosophies of Embodiment: Mind/Body/Self
        - REL 3111 Religion in America
        - (6 hrs)

5. Capstone Course (3 hrs)
   - HUM 4933 Senior Research Seminar

6. Honors in the Major (Optional)
   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 Readings
   - HUM 4970H Honors Thesis

7. Departmental Exit Requirement
   - Departmental Exit Exam in final semester.
   - Earn a “C” (2.0) or better in each required course.
   - Computer Competency met by HUM 4970H, HUM 4933, or STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements (0-8 hrs)
   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.

9. Electives (variable)
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

10. University Minimum Exit Requirements
    - 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Humanities or Religious Studies, Philosophy
Related Minors: Humanities, Philosophy, Religious Studies

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.

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
Industrial Engineering & Management Systems (IEMS) Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu/
Program Coordinator: Dr. William J. Thompson, P.E.

Admission Requirements: none

Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
UCF Degree Programs

demic advisor in the department of his/her major. Each student
should seek academic advisement before registering for classes
each semester to minimize excess hours and to ensure that satisfac-
tory academic progress is being maintained.

1. UCF General Education Program for
(36+2 hrs)

Engineering Students

The UCF General Education Program (GEP) is described in the sec-
tion, General Education Program, found elsewhere in the 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
1. Select ENC 1101 & ENC 1102
2. Prefer SPC 1603

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300,
   PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1114)
2. Select STA 3032 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations
1. Select PHY 2048/L (PR: MAC 2311)
2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)

These courses are specifically required for all engineering students of
the Florida State University System. CPP courses are also available
at other Florida post-secondary schools and may be transferred
directly to UCF programs. A 2.0 cumulative GPA or better is required
for those courses in section 2, marked with an asterisk (*).

Note: MAC 2311 and PHY 2048/L also satisfy UCF GEP sub-requirements, as
do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440
MAC 2311
MAC 2312
MAC 2313
MAP 2302
PHY 2048/L
PHY 2049/L
ENC 1101
ENC 1102

See "Common Prerequisites" in the Transfer and Transitions Services section for
more information.

3. Courses Required for the Engineering Core
(17 hrs)

The College of Engineering and Computer Science requires all engi-
neering students to achieve a minimum 2.250 GPA in completing
these courses, together with the courses for the major listed in 4.,
the technical elective courses listed in 5. below and with the senior
design courses listed in 6. below. Independent study courses gener-
ally do not satisfy major requirements.

EGN 1006C
EGN 1007C
COP 3223
COP 3310
EGN 3321
EGN 3358
or EGN 3343
EGN 3373

4. Courses Required for the Major
(43 hrs)

The Industrial Engineering and Management Systems department
requires all students within the major to achieve a 2.0 GPA or better
in each course listed in sections 4., 5., and 6.

EGN 3613
EGN 4624
STA 3032
EIN 3000
EIN 3314C
EIN 3354
EIS 4628C
EIN 4517

EGN 423C
Industrial Engineering
3 hrs

5. Approved Technical Electives
(5 hrs)

Technical electives are available in the BSE 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. Departmental Graduation Requirements
(6 hrs)

EIN 4516C
EIN 4891C

7. Foreign Language Requirements
(0-8 hrs)

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

Graduation: none

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in
  residency at UCF.
- 25% of course work must be completed in residency at UCF
  A 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 CLAST, and nine semester hours of Summer credit (if appli-
  cable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering.
Related Minors: Engineering Leadership

Transfer Notes:

- Courses taken from Community Colleges do not substitute for
  Upper Division Courses unless part of an articulated pre-engi-
  neering 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.

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 Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

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 engi-
neering students should meet with their faculty advisor to develop
and maintain an appropriate plan of study.

Industrial Engineering - 128 semester hours required

FIRST YEAR

Fall
- *CHS 1440 Fund of Chem/Eng 4 hrs
- ENC 1101 English Comp II 3 hrs
- ECP 3223 C Programming 3 hrs
- COP 3310 Eng Analysis Statics 3 hrs
- COP 3321 Eng Analysis - Dynamics 3 hrs
- EGN 3358 Thermodynamics 3 hrs
- or EGN 3343 Principles of Electrical Engineering 3 hrs

Spring
- EIN 1006C Intro to Eng 3 hrs
- ENC 1102 English Comp II 3 hrs
- MAC 2311 Calc with Ana Ge 4 hrs
- EGN 1006C Intro to Eng 3 hrs
- ENC 1102 English Comp II 3 hrs

Summer
- COP 3223 Intro to C Programming 3 hrs
- ECO 2013 Macroeconomics 3 hrs
- ECO 2023 Microeconomics 3 hrs

UCF Degree Programs

189
SECOND YEAR
Fall                                  13 hrs  1
  *PHY 2049/L Phys Engrr/Sci II         4
  STA 3032 Prob & Stats Engrrs          3
  EIN 3000 Intro to IE & Mgt Sys        2
  *MAC 2313 Calc with Analytic Geo III  4

Spring                                15 hrs  1
  EIN 4517 Systems Engrrg               3
  *MAP 2302 Diff Equations              3
  EIN 3310 Engr Anal-Stats              3
  SPC 1603 Tech Presentations           3
  EIN 4243C Human Engrrg                3

Summer                                8 hrs  1
  EGN 3613 Engineering Econ Anal        2
  *Social Foundations II                3
  EGN 3321 Engr Anal-Dynamics           3

THIRD YEAR
Fall                                  15 hrs
  EIN 3314C Work Mesas & Dsgn           3
  EGN 3591C Mgt. Engr.                  3
  ESI 3545 Princ of Cost Engrrng        3
  ESI 4312 Operations Research          3
  ESI 4628C IE Computer Appl            3
  EIN 4346 Indus Fcty Phil/Dsgn        3
  ESI 4221 Empirical Methds - IE        3
  ESI 453C Systems Simulation           3
  EGI 333C Industrial Cont Sys          3
  EGN 3358 Therm-Flds-Ht Trans         3
  EIN 4234 Quality Engrrng              3
  EGN 334 Thermodynamics                3

Spring                                15 hrs
  EIN 4391C Mfg. Engr.                  3
  ESI 4523C Systems Simulation          3
  EIN 4364C Indus Fcty Phil/Dsgn        3
  EIN 4516C Sys Anal & Dsgn             3
  ESI 4234 Quality Engineering          3
  EGN 4624 Engineering Admin            3
  EGI 333C Industrial Cont Sys          3
  EIN 4891C IE Sr. Design Proj          3
  ESI 4312 Operations Research          3
  ESI 453C Systems Simulation           3
  ESI 4312 Operations Research          3
  EGN 3358 Therm-Flds-Ht Trans          3
  EIN 4346 Indus Fcty Phil/Dsgn         3

Summer                                6 hrs  1
  *Historical Foundations               3
  **Cultural Foundation                 3

FOURTH YEAR
Fall                                  14 hrs
  EIN 4391C Mfg. Engr.                  3
  ESI 4523C Systems Simulation          3
  EIN 4364C Indus Fcty Phil/Dsgn        3
  EIN 4516C Sys Anal & Dsgn             3
  ESI 3373 Prin of Elec Eng             3
  EGN 3358 Therm-Flds-Ht Trans          3
  EGI 333C Industrial Cont Sys          3
  Technical Elective                    2

Spring                                12 hrs  1
  EIN 4391C Mfg. Engr.                  3
  ESI 4523C Systems Simulation          3
  EIN 4364C Indus Fcty Phil/Dsgn        3
  EIN 4516C Sys Anal & Dsgn             3
  ESI 3373 Prin of Elec Eng             3
  EGN 3358 Therm-Flds-Ht Trans          3
  EGI 333C Industrial Cont Sys          3
  Technical Elective                    2

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEPP elsewhere in the Catalog for further information.
2. 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. Approved Technical Electives.

Accelerated BS/MS Degree Program
The Industrial Engineering & Management Systems Department 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 the Catalog for more information.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
College of Engineering and Computer Science

Engineering Technology (ENT) Department
ENGR 207, 407-823-4748; Fax: 407-823-4746
http://www.ent.ucf.edu
Coordinator: Dr. Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements
Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

Degree Requirements
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program
A. Communication Foundations
  1. ENC 1101 & ENC 1102 (18 hrs)
  2. Prefer SPC 1603
B. Cultural and Historical Foundations
  1. ENC 2101
  2. Select STA 2023 (9 hrs)
C. Mathematical Foundations
  1. Select MAC 1105
  2. Select STA 2023 (6 hrs)
D. Social Foundations
  1. Select STA 2023 (6 hrs)
E. Science Foundations
  1. Select STA 2023 (6 hrs)

2. Lower Level Required Courses
- MAD 2104 Foundations of Discrete Math (3 hrs)
- Lower level technical courses taken at Community College (30 hrs)

3. Prerequisite Courses
- C. (2.0) or better grade required in all courses
- MAC 1105 College Algebra and GEP
- MAC 1114 College Trigonometry (4 hrs)
- EET 3085C Electricity & Electronics (4 hrs)
- or EET 3086 Principles of Electrical Circuits (4 hrs)
- CET 3115C Digital Technology (4 hrs)
- CET 2364 Systems Applications in C (3 hrs)

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

4. Required Technical Courses
C. (2.0) or better grade required in all courses
- CET 3529 Linux/Unix Sys Admin and Applications (3 hrs)
- CET 2010 Intro to Info Technology (3 hrs)
- CET 4427 Applied Database I (3 hrs)
- CET 3383 Applied Systems Analysis I (3 hrs)
- CET 4505 Applied Operating Systems I (3 hrs)
- CET 2979 Intro to Telephony (3 hrs)
- CET 4483 Intro to Local Area Network (3 hrs)
- CET 4333 Computer Organization & Design (3 hrs)
- CET 4746 Wide Area Networks I (3 hrs)

5. IST Support Courses
(6 hrs)
- ENC 3241 Writing For Technical professional (3 hrs)
- EIN 4448 Applied Proj Mgmt (3 hrs)
- STA 2023 Statistical Methods (3 hrs)

6. Technical Electives
(12 hrs)
- CET 3198C Digital Systems (3 hrs)
- CET 4383C Digital Programmable Devices (3 hrs)
- CET 4931 Current Topics in Technology (3 hrs)
- MAP 3401 Problem Analysis (3 hrs)
- CET 4523 Applied Systems Analysis II (3 hrs)
- CET 4429 Applied Database II (3 hrs)
- CET 4583 Web Base Systems I (3 hrs)
- CET 4584 Web Base Systems II (3 hrs)
- CET 4653 Computer &Networks Security (3 hrs)
- CET 4668 Practice of Information Security (3 hrs)
- CET 4882 Network Defense Strategies (3 hrs)
- CET 4884 Security Meth & Prac (3 hrs)
- CET 4885 Investigative Digital Technology (3 hrs)
- CET 4889 Sec Sensor & Biomet (3 hrs)
- ETG 4950C Senior Design Project (3 hrs)
- ISM 3011C Essentials of Management Information Systems (3 hrs)
- ISM 4153C Enterprise Information Systems (3 hrs)
- ISM 4431 Business Process Analysis (3 hrs)
- ISM 4154 Enterprise Application Development (3 hrs)
- ISM 5129 Business Intelligence Systems (3 hrs)

7. Departmental Exit Requirements
none

8. Foreign Language Requirements
(0-8 hrs)
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

9. Approved Technical Electives
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. University Minimum Graduation Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A 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 CLAST, and nine semester hours of Summer credit (if applicable)
INFORMATION SYSTEMS TECHNOLOGY (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

UCF Degree Programs

INFORMATION TECHNOLOGY (B.S.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science

Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Ali Orooji, HEC 245D;
Charlese Hilton-Brown, HEC 245F

Degree Requirements
- Students must earn at least a “C” (2.0) in each course in 2-5.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program

<table>
<thead>
<tr>
<th>Area</th>
<th>Course Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Foundations</td>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>B. Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>C. Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PST 2012</td>
<td>D. General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>E. Mathematical Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223</td>
<td>F. Social Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>G. Information Technology</td>
<td>3 hrs</td>
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<tr>
<td>CGS 2545C</td>
<td>H. Database Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 2104</td>
<td>I. Foundations of Discrete Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or COT 3100C</td>
<td>or C. Discrete Structures</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses Required</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>COP 3002C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4104</td>
<td>Human and Technology Interaction</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3041</td>
<td>Circuit Analysis</td>
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<tr>
<td>EEL 3521</td>
<td>Information Theory</td>
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<tr>
<td>CGS 3269</td>
<td>Computer Architecture Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3410L</td>
<td>OS Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3004</td>
<td>Network Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3003</td>
<td>Fundamentals of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4313</td>
<td>Managing IT Integration</td>
<td>3 hrs</td>
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<tr>
<td>CNT 4114</td>
<td>Enterprise Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004</td>
<td>Web-Based Information Technology</td>
<td>3 hrs</td>
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<tr>
<td>CNT 4703C</td>
<td>Network Laboratory</td>
<td>3 hrs</td>
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<tr>
<td>COP 4910</td>
<td>Frontiers of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2626</td>
<td>Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

A three credit internship approved by the Information Technology Program Coordinator can substitute for the Frontiers in Information Technology (COP 4910) requirement.

3. Core Requirements

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<th>Area</th>
<th>Courses Required</th>
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</thead>
<tbody>
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<td>Computer Science</td>
<td>COP 3002C</td>
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<tr>
<td>CIS 3360</td>
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<td>3 hrs</td>
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<tr>
<td>CAP 4104</td>
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<td>3 hrs</td>
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<tr>
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<td>Network Laboratory</td>
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<td>COP 4910</td>
<td>Frontiers of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2626</td>
<td>Ethics in Science and Technology</td>
<td>3 hrs</td>
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</table>

A three credit internship approved by the Information Technology Program Coordinator can substitute for the Frontiers in Information Technology (COP 4910) requirement.

4. Support Courses

<table>
<thead>
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<th>Area</th>
<th>Courses Required</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>ENC 3241</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4104</td>
<td>Human and Technology Interaction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3041</td>
<td>Circuit Analysis</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3521</td>
<td>Information Theory</td>
<td>3 hrs</td>
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<tr>
<td>CGS 3269</td>
<td>Computer Architecture Concepts</td>
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</tr>
<tr>
<td>COP 3410L</td>
<td>OS Laboratory</td>
<td>3 hrs</td>
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<tr>
<td>COT 3004</td>
<td>Network Concepts</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>CIS 4313</td>
<td>Managing IT Integration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4114</td>
<td>Enterprise Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004</td>
<td>Web-Based Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4703C</td>
<td>Network Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4910</td>
<td>Frontiers of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2626</td>
<td>Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Upper-Division Electives

Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.

6. School Exit Requirements

- Complete an exit interview with an assigned faculty advisor
- Computer competency met by completion of major

7. Free Electives

(minimum 12 hrs)
UCF Degree Programs

### 8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 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 CLAST, and nine semester hours of Summer credit (if applicable)

**Total Semester Hours Required** 120 hrs

### Related Programs:
- Computer Science, Computer Engineering, Management Information Systems

### Related Minors and Certificates:
- Information Technology, Computer Science, Secure Computing and Networks, Interdisciplinary Informatics Technology

### Transfer Notes:
- Grades below "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.

### 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 Fee
- Full-time Student .................................................. $90 per term
- Part-time Student .................................................. $45 per term

### FIRST YEAR

<table>
<thead>
<tr>
<th>Term</th>
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<tr>
<td>Fall</td>
<td>ENC 1101 English Comp I</td>
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<td></td>
<td>SPC 1603 Fund of Tech Presentations</td>
<td>3</td>
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<tr>
<td></td>
<td>MAC 2147 Math for Calculus</td>
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<tr>
<td></td>
<td>COP 3223 C Programming</td>
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<td></td>
<td>COP 3330 Intro to OOPJava</td>
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<tr>
<td></td>
<td>PHY 2532C College Physics I</td>
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<tr>
<td></td>
<td>EEL 2000 Western Civil I</td>
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<td></td>
<td>CIS 3560 Security in Computing</td>
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### SECOND YEAR

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<td>3</td>
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<tr>
<td></td>
<td>CIT 2110 World Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2053C College Physics I</td>
<td>4</td>
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<tr>
<td></td>
<td>PHY 2000 Western Civil I</td>
<td>3</td>
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<td></td>
<td>CIS 3560 Security in Computing</td>
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### THIRD YEAR

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<td>Fall</td>
<td>CAP 4104 Human Technology Interaction</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEL 3541 Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECE 3241 Tech Typing</td>
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</tr>
<tr>
<td></td>
<td>CNT 3004 Comp Network CONCEPTS</td>
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</tr>
<tr>
<td></td>
<td>CIS 3503 Fundamentals of Information Technology</td>
<td>3</td>
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</table>

### FOURTH YEAR

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<thead>
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<th>14 hrs</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EEL 3551 Information Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CNT 4703C Network Laboratory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CNT 4714 Enterprise Computing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CNT 4004 Web-Based Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free elective</td>
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</tbody>
</table>

### Interdisciplinary Studies (B.A., B.S.)

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, CL1, Room 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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 advisor.

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 completed 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, CLAST, Gordon Rule, etc.), some of which are not available via online courses. For more information, see [http://online.ucf.edu/](http://online.ucf.edu/).

### Admission Requirements

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies advisor 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 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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites

#### 3. Core

- IDS 3933 Cornerstone Experience in Interdisciplinary Studies | 3 hrs
- IDS 4934 Capstone Experience in Interdisciplinary Studies | 3 hrs

### 4. Restricted Electives

- Students must choose 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 advisor 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

---

Part-time Student . . . . . . . . . . . . . . . . . . . . . . . . . . . $45 per term

Full-time Student . . . . . . . . . . . . . . . . . . . . . . . . . . . $90 per term
5. Required Minor (18 hrs minimum)
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.

6. Program 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.

7. Foreign Language Requirements (0-8 hrs)
Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
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.
Graduation-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.

Note: Students entering without having met the admission requirements must do so in order to graduate.

8. Electives (variable)
Select primarily from upper level courses, with an Interdisciplinary Studies advisor's approval.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Environmental Studies Track in Interdisciplinary Studies, Women's Studies Track in Interdisciplinary Studies
Related Minors: Most UCF minors

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

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

INTERDISCIPLINARY STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: Is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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 this major
- Students must earn at least a "C" (2.0) in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies advisor 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 inclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (36+2 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   Select MAC 1105 or higher
   Select STA 2023
D. Social Foundations
   Select ECO 2013 or ECO 2023
   Select SYG 2000
E. Science Foundations
   Select BSC 2010C
   Select CHM 2045C

2. Common Program Prerequisites
   none

3. Core for Environmental Studies (11 hrs)
A. Physical/Mathematical Sciences
   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105 College Algebra or higher GEP
   PSC 1121 Physical Science I
   STA 2023 Statistical Methods I GEP
B. Life Sciences
   BSC 2010C Biology I GEP
   BSC 2011C Biology II
   PCB 3043/3044L Principles of Ecology & Lab
C. Social Science & Humanities
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics GEP
   SYG 2000 General Sociology GEP

4. Subject Area: Environmental Studies Fundamentals (19 hrs)
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 for Environ. Studies 4 hrs
PUP 3203 Environmental Politics 3 hrs
SYD 4510 Environmental Sociology 3 hrs

5. Subject Areas: 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 18 hours in one concentration

Sciences Concentration
Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
BCH 4053 Biochemistry I
BCH 4054 Biochemistry II
BOT 3152C Local Flora
BOT 3800 Ethnobotany
BOT 4156C Florida Wildflowers
BOT 4303C Plant Kingdom
BOT 4686C Conservation and Management of Native Plants
BOT 4713C Plant Taxonomy
BSC 4312C Marine Biology
CHM 3120 Analytical Chemistry
OCE 3008 Oceanography
INTERDISCIPLINARY STUDIES - WOMEN'S STUDIES TRACK (B.A.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Women's Studies Program
Colbourn Hall 411
http://www.cah.ucf.edu/womensstudies
E-mail: womensst@mail.ucf.edu
Contact: Kate Oliver, 407-823-2260

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements: none

Degree Requirements:
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
■ Co-op credit cannot be used in this track.
■ Students must earn at least a "C" (2.0) in each restricted elective course.
■ Students must consult with an Interdisciplinary Studies advisor 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 (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites: none

3. Restricted Electives (36 hrs)
■ Students must complete either the Woman/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 (18 hrs)
Womanist/Women of Color Area:
WST 3460 Womanist Studies (3 hrs)
Select 15 hours from the following courses (15 hrs)
AMT 3614 Topics in African-American Literature
ANT 4308 Gender Issues in Latin America
ASH 4304 Women in China
AML 3682 Ethnic Literature in America
SYD 3751 North American Indian Women Today
Other courses approved by the Interdisciplinary Studies Advising Team
Women’s Studies Cognate Area:
Select 18 hours from the following courses: (18 hrs)
A. Communication Foundations
- A grade of “C” or above (2.0) is required for each course taken in each of the subject areas.
- Computer competency is met by CGS 1060C, STA 1060C, or departmental assessment.

B. Cultural and Historical Foundations (9 hrs)
1. Students who major in International and Global Studies, and
   Students who double major/degree in any Political Science
   track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, 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 POS 2041.

C. Mathematical Foundations (6 hrs)
- Prefer WOH 2022

D. Social Foundations (6 hrs)
- Prefer POS 2041
- Prefer from GEP D.2 list

E. Science Foundations (6 hrs)
- Prefer STA 2014C
- 2. Prefer STA 2014C or STA 1060C

Related Programs: Interdisciplinary Studies - Interdisciplinary Studies track
Related Minors: Most UCF minors
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

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

INTERNATIONAL AND GLOBAL STUDIES (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: R. Handberg, 407-823-2608

Admission Requirements: none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Double major/dual degree policy in Political Science programs and minors
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, 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 POS 2041.

- Departmental Residency Requirement consists of at least 15 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

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
   - Prefer WOH 2022

2. Common Program Prerequisites (3 hrs)
   - Prefer WOH 2022

3. Core Requirements (24 hrs)
   - Prefer WOH 2022
   - Prefer from GEP D.2 list
   - Prefer STA 2014C or STA 1060C
   - Prefer POS 2041
   - Prefer from GEP D.2 list
   - Preferred WOH 2022
   - Preferred STA 2014C or STA 1060C
   - Preferred POS 2041
## UCF Degree Programs

### 1. UCF General Education Program

#### 1.1 Core Requirements (15 hrs)

- **Communication Foundations**
- **B. Cultural and Historical Foundations**
- **C. Mathematical Foundations**

#### 1.2 Restricted Electives (21 hrs)

- Select from the following:
  - COM 3101C
  - COM 3120
  - COM 3311
  - SPC 3011C
  - SPC 3311
  - SPC 3313
  - SPC 3316

#### 1.3 Electives (variable)

- Select primarily from upper level courses, with departmental advisor approval. May be taken outside of the department.

### 2. Common Program Prerequisites (0 hrs)

- **SOP 3008**

### 3. Core Requirements (15 hrs)

- **Select one course**
  - STA 1060C
  - STA 2014C

### 4. Restricted Electives (21 hrs)

- **Select from the following list:**
  - COM 3013
  - COM 3110
  - COM 4014
  - COM 4461

### 5. Required minor (18 hrs min)

- **Select from the following:**
  - Asian Studies, French, German,
  - International Business (Business majors only), Italian, European Studies, Latin American Studies, Middle East Studies, or Spanish.

### 6. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major.
- Computer Competency met by POS 3703.
- Before applying to graduate, the CLAST must be completely satisfied.

### 7. Foreign Language Requirements (0-14 hrs)

- **Admission:** Met by graduation requirement

### 8. Electives (variable)

- Select primarily from upper level courses, with departmental advisor approval. May be taken outside of the department.

### 9. University Minimum Exit Requirements

- **2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 36 hours of course work must be completed in residency at UCF**
- **A 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 CLAST and nine hours of Summer credit (if applicable)**

### 10. Total Semester Hours Required (120 hrs)

### 11. Interpersonal/Organizational Communication (B.A.)

#### College of Sciences

**Nicholson School of Communication**

**COMM 238, 407-823-2681**

http://communication.cos.ucf.edu/undergraduate/degrees/io.php

**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 can 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 should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 12. Related Programs:

- Anthropology, Economics, History

### 13. Related Minors:

- Anthropology, Economics, History, Psychology, Sociology, Philosophy

### 14. 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.
### UCF Degree Programs

**JOURNALISM (B.A.)**

**Nicholson School of Communication**

**COMM 238, 407-823-2681**


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

**Contact:** R. Brunson, 407-823-3151

**Limited Access program**

**Admission Requirements**

- Students should apply to become Journalism majors only after completing all requirements for admission. Deadlines are: 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.
- 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.
- Meet a grammar proficiency standard. Students with AP credit or an “A-” or better in both ENC 1101 and ENC 1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center.
- Have acceptable keyboard skills.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.

**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 recommends that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine. The Journalism faculty strongly recommends that majors work for a student newspaper.
- 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 three 2-credit internship. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- Students cannot exceed a total of seven credits of internship, Co-op, and practicum credits combined.
- 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.
- School Residency Requirement consists of at least 24 semester hours including JOU 2100C and regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

### Suggested 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

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>MGF 110* req# 1C-GEP</td>
<td>ENC 2100* req# 1H-GEP</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>STA 2014C Prin of Statistics</td>
</tr>
<tr>
<td>SPN 1120C* req# Lang/Elect</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td></td>
<td>SPN 1121C* req# Lang/Elect</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000* req# 1D-GEP</td>
<td>ARR 2050* req# 1B-GEP</td>
</tr>
<tr>
<td>BSC 1005* req# 1E-GEP</td>
<td>POS 2041* req# 1D-GEP</td>
</tr>
<tr>
<td>MUL 2010* req# 1-GEP</td>
<td>PSC 1111* req# 1E-GEP</td>
</tr>
<tr>
<td>SPC 1608 Fund of Oral Com</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Com Reltn</td>
<td>COM 3011* req# 4-ResElec</td>
</tr>
<tr>
<td>COM 3311 Com Res Methods</td>
<td>COM 3110* req# 4-ResElec</td>
</tr>
<tr>
<td>PUR 4110* req# 3-Core</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>ENC 3250* req# 4-ResElec</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3120 Org Communication</td>
<td>COM 4462* req# 4-ResElec</td>
</tr>
<tr>
<td>SPC 3301 Intpers Com</td>
<td>COM 4941* req# 4-ResElec</td>
</tr>
<tr>
<td>COM 4461* req# 4-ResElec</td>
<td>MAR 3023* req# 5-Ext RE</td>
</tr>
<tr>
<td>PUR 3325* req# 5-Ext RE</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

### Transfer Notes:

- Students transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Internship must be approved by and supervised by a Journalism faculty advisor.
- Students cannot exceed a total of seven credits of internship, Co-op, and practicum credits combined.
- 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.
- School Residency Requirement consists of at least 24 semester hours including JOU 2100C and regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

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**5. External Restricted Electives (6 hrs)**

A minimum of six upper division credit hours selected from courses in Anthropology, Business, Criminal Justice, Legal Studies, Political Science, Psychology, Public Administration, and Sociology.

**6. School Exit Requirements**

- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Computer Competency met by achieving a “C” (2.0) or better in CGS 2100C, CGS 2585C, CGS 3175, or by departmental assessment.
- Before applying to graduate, the CLAST must be completed satisfactorily.

**7. Foreign Language Requirements (0-8 hrs)**

**Admission:** 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 (variable)**

Select primarily from upper level courses. May be taken outside of the School of Communication.

**9. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

120 hrs

**Related Minors:** Mass Communication, Interpersonal Communication, Organizational Communication.

**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.

**Program Academic Learning Compacts**

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

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**COM 4462** Conflict Management  
**SPC 3513** Argumentation and Debate  
**SPC 4331** Nonverbal Communication  
**SPC 4426** Group Dynamics  
**SPC 4540** Attitudes and Communication  
**COM 3406** Motivation and Communication

A maximum of 6 credits of any combination of the following can be used:  
**COM 4941** Internship  
**COM X949** Coop  
**SPC 4906** Directed Independent Study  
**ENC 3250** Professional Writing  
**ENC 3311** Adv Expository Writing  
**ENC 3241** Writing for the Tech Professional  

A maximum of 3 credits of the following can be used:  
**MUL 2010** Communication  
**MUL 2011** Interpersonal Communication  
**MUL 2012** Organizational Communication  
**MUL 2013** Social Psychology  
**MUL 2014** Mass Communication  
**MUL 2015** Interpersonal Communication  
**MUL 2016** Organizational Communication  
**MUL 2017** Social Psychology  
**MUL 2018** Mass Communication

**JOURNALISM (B.A.)**

**Nicholson School of Communication**

**COMM 238, 407-823-2681**


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

**Contact:** R. Brunson, 407-823-3151

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**UCF Degree Programs**

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### UCF Degree Programs

- 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 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.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select ENC 1101 &amp; ENC 1102</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select SPC 1608 or SPC 1603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Select MGF 1106 or MGF 1107 (may substitute a higher level math)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer CGS 1060C or STA 2014C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select SPC 1603 Fund of Technical Presentations or SPC 1608 Fund Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

#### 2. Common Program Prerequisites: (0 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one GEP</td>
<td></td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fund of Technical Presentations</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fund of Oral Communication</td>
</tr>
</tbody>
</table>

Select primarily from upper level courses, with school advisor's approval. Must be from outside of the School of Communication to comply with the 65 hour Liberal Arts requirement.

#### 3. Common Core requirements (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100C* News Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3101* Editing I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4342C Converged Journalism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Grammar Proficiency must be satisfied. Must earn at least a "C" (2.0) to enroll in subsequent courses.

#### 4. Specialization: Select one area (17-18 hrs)

**4.1 Newswriting:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Required courses</td>
<td></td>
</tr>
<tr>
<td>JOU 3184C* Metro Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3101 Advanced Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4181 Public Affairs Reporting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>b. Directed Electives (Select from the following)</th>
<th>8-9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 2004 Mass Media</td>
<td></td>
</tr>
<tr>
<td>JOU 3004 History of American Journalism</td>
<td></td>
</tr>
<tr>
<td>PGS 3610C Photographic Journalism I</td>
<td></td>
</tr>
<tr>
<td>JOU 3202 Editing II</td>
<td></td>
</tr>
<tr>
<td>JOU 3313C Sports Reporting</td>
<td></td>
</tr>
<tr>
<td>JOU 4224 Magazine Editing and Production</td>
<td></td>
</tr>
<tr>
<td>JOU 4300 Feature Writing</td>
<td></td>
</tr>
</tbody>
</table>

Any other JOU prefix writing elective or one 2 credit JOU internship

#### 4.2 Visual Communication (17-18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Required courses</td>
<td></td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4213C Page Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4211C Informational Graphics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGS 3610C Photographic Journalism I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>b. Directed Electives (5-6 hrs)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two courses from the following</td>
<td></td>
</tr>
<tr>
<td>MMC 2004 Mass Media</td>
<td></td>
</tr>
<tr>
<td>JOU 3004 History of American Journalism</td>
<td></td>
</tr>
<tr>
<td>JOU 4340C On-line Journalism</td>
<td></td>
</tr>
<tr>
<td>PGS 3620C Photographic Journalism II</td>
<td></td>
</tr>
<tr>
<td>PGS 3630 Photographic Journalism III</td>
<td></td>
</tr>
<tr>
<td>CGS 2585C Desktop/Internet Publishing</td>
<td></td>
</tr>
<tr>
<td>JOU 3940 or JOU 4941 Internship</td>
<td>(2 credits maximum)</td>
</tr>
</tbody>
</table>

#### 4.3 Editing (17-18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Required courses</td>
<td></td>
</tr>
<tr>
<td>JOU 3202 Editing II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4213C Page Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3101 Advanced Reporting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| JOU 4211C Informational Graphics | 3 hrs |

<table>
<thead>
<tr>
<th>b. Directed Electives (Select from the following)</th>
<th>5-6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 2004 Mass Media</td>
<td></td>
</tr>
<tr>
<td>PGS 3610C Photographic Journalism I</td>
<td></td>
</tr>
<tr>
<td>JOU 3004 History of American Journalism</td>
<td></td>
</tr>
<tr>
<td>JOU 4224 Magazine Editing and Production</td>
<td></td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td></td>
</tr>
</tbody>
</table>

Any other JOU prefix writing elective or one 2 credit JOU internship

#### 5. Minor: (18 hrs min)

- Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.

#### 6. School Exit Requirements

- Acceptance of portfolio by faculty
- To avoid delaying graduation, you must request a review of requirements before registering for your last term
- Achieve an overall “C” GPA (2.0) in courses taken within the school used to satisfy the major.
- Computer Competency met by CGS 1060C or by departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied.

#### 7. Foreign Language Requirements (0-8 hrs)

**Admission:** 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 (variable)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

**Related Programs:** Technical Writing, Creative Writing

**Related Minors:** Creative Writing, History, Literature, Linguistics, Magazine Journalism (not available to Journalism majors), Political Science, Sociology, Technical Writing, Writing

**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.

**Program Academic Learning Compacts**

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

**Equipment Fee**

- Full-time Student: $44 per term
- Part-time Student: $22 per term
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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (36 hrs)
- Communication Foundations: 9 hrs
  - 1. ENC 1101 & ENC 1102
  - 2. Prefer SPC 1608
- Cultural Historical Foundations: 9 hrs
- Mathematical Foundations: 6 hrs
- Social Foundations: 6 hrs
- Science Foundations: 6 hrs

2. Common Program Prerequisites: none

3. Core Requirements (21 hrs)
- PLA 3013: Law and the Legal System: 3 hrs
- PLA 3104: Legal Research: 3 hrs
- PLA 3155: Legal Writing: 3 hrs
- PLA 3201: Civil Practice and Procedure: 3 hrs
- PLA 3610: Property and Real Estate Law: 3 hrs
- PLA 4700: Professional Ethics and Liability: 3 hrs
- PLA 4935: Practicum/Legal Issues: 3 hrs

Note: All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

4. Upper Division Restricted Electives (21 hrs)
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor

5. Supporting Courses (9-15 hrs)
- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

6. Specializations
- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - Law and Society
  - Litigation and Advocacy
  - Public Law

7. Departmental Exit Requirements (120 hrs)
- Students must take a minimum of 33 hours of PLA courses at UCF.
- The total semester hours required is 120.

8. Electives (variable)
- The following electives must be completed with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910

9. Foreign Language Requirements (0-8 hrs)
- Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Business Administration, Criminal Justice, History, Political Science, Public Administration, Sociology

Related Minors: Business Administration, Criminal Justice, Political Science, Public Administration, Sociology

Transfer Note:
- Courses taken at community colleges do not substitute for Upper Division courses.

Minor
- The Legal Studies Minor consists of 21 or more semester hours.
- Required courses: PLA 3013 plus a minimum of 15 semester hours of legal studies courses and three semester hours of law-related courses selected with the aid of an advisor.

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

Tentative Course Schedule for Entering Freshmen

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>CGS 1060C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3</td>
<td>ECO 2013 or POS 2041</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BSC 1005 or MCB 1310</td>
<td>3</td>
<td>ECO 2023</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
<td>One course: ARH 2050, ARH 2051, MUL 2100, THE 2000, REL 2300, PHI 2100, LIT 2110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LIT 2120</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
<th>15/16 hrs</th>
<th>Spring</th>
<th>15/16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1121 or CHM 1020</td>
<td>3</td>
<td>PLA 3013</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPC 1608</td>
<td>3</td>
<td>EUH 2001 or HUM 2230</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td>or AMH 2020</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For. Lang I or B.S. Option</td>
<td>3/4</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
<td>Elective/Minor</td>
</tr>
</tbody>
</table>
Junior Year

Fall  
PLA 3104  15 hrs  Spring  
PLA 3155  15 hrs  
PLA 3201   3  PLA 3610   3  
PLA Elective 3  PLA Elective 3  
Supporting Elective 3  Supporting Elective 3  

Fall  
PLA 4700  15 hrs  PLA 4835  15 hrs  
Internship or PLA Elective 3  Internship or PLA Elective 3  
Supporting Elective 3  PLA Elective 3  
Elective/Minor 3  Elective/Minor 3  
Elective/Minor 3  Elective/Minor 3  

Senior Year

Fall  
PLA Elective 3  
Supporting Elective 3  
Elective/Minor 3  
Elective/Minor 3  

Spring  
PLA Elective 3  
Supporting Elective 3  
Elective/Minor 3  
Elective/Minor 3  

LIBERAL STUDIES

Note: See Interdisciplinary Studies.

MANAGEMENT (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

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

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

Degree Requirements

A. Communication Foundations 9 hrs
   - Preferred: SPC 1608
B. Cultural and Historical Foundations 9 hrs
   - Select MAC 1140 Pre-Calculus 3 hrs
   - Select CGS 2100C Computer Fundamentals for Business 3 hrs
C. Mathematical Foundations
   - Select one: PSY 2006, SYG 2000, ANT 2000 3 hrs
D. Social Foundations
   - Select ECO 2013 Macroeconomics 3 hrs
   - Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
E. Science Foundation 6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2013 Macroeconomics 3 hrs
   - ECO 2023 Microeconomics 3 hrs
   - *ECO 3401 Quantitative Business Tools I 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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

3. Required for All Business Majors (36 hrs)
   Core Classes
   First or subsequent semester in the College of Business Administration:
   - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - BUL 2130 Legal & Ethical Environments of Business 4 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - FIN 403C Business Finance 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - ISM 301C Essentials of Management Information Systems 4 hrs
   - MAR 2023 Marketing 4 hrs
   - Last Semester: MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students who change degree programs and select this major must adopt the most current catalog.

   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
   - Students wanting to major in Management must apply for admission to the major.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students must earn at least a 2.0 GPA in the major and COB.
   - Students majoring in Management must earn a grade of “C” (2.0) or better in MAN 3025, MAN 4720, and each course applied toward the major.

5. Tracks
   Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

   - Human Resource Management Track (24 hrs)
   - Required Courses (15 hrs)
     - MAN 3301 Human Resource Management 3 hrs
     - MAN 4240 Organizational Theory and Behavior 3 hrs
     - MAN 4320 Recruitment and Selection 3 hrs
     - MAN 4330 Compensation Administration 3 hrs
     - MAN 4350 Training and Development 3 hrs
   - Elective Courses (9 hrs)
     - Choose among MAN courses, BUL 4540, GEB 4111, and GEB 4110
     - MAN Elective 3
     - MAN Elective 3
     - MAN Elective 3

   - General Management Track (24 hrs)
   - Required Courses (15 hrs)
     - ISM 3530 Quality & Productivity Management 3 hrs
     - MAN 4101 Human Relations in Management 3 hrs
     - MAN 4240 Organizational Theory & Behavior 3 hrs
     - MAN 4601 International Management 3 hrs
     - MAN 4701 Business Ethics and Society 3 hrs
   - Elective Courses (9 hrs)
     - Choose among MAN courses, BUL 4540, GEB 3113, GEB 4111, and GEB 4110
     - MAN Elective 3
     - MAN Elective 3
     - MAN Elective 3

   - Management Track: Entrepreneurship (24 hrs)
   - Required Courses (15 hrs)
     - MAN 3301 Human Resources Management 3 hrs
     - MAN 4802 Entrepreneurship 3 hrs
     - GEB 4110 Business Plan Preparation 3 hrs
     - GEB 4111 New Venture Finance 3 hrs
     - MAR 3641 Market Intelligence 3 hrs
     - MAR 3391 Professional Selling 3 hrs
   - Elective Courses (9 hrs)
     - Choose among MAN courses and BUL 4540
     - MAN Elective 3
     - MAN Elective 3
     - MAN Elective 3

6. Foreign Language Requirements (0-8 hrs)
   - Additional coursework in a foreign language can be completed at any college or university.
   - One year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   7. University Minimum Exit Requirements
      - A 2.0 UCF GPA
      - 60 semester hours earned after any CLEP award
      - 48 semester hours of upper division credit completed
      - 30 of the last 36 hours of course work must be completed in residency at UCF
      - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
      - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

   8. Electives*** (variable)
   Total Semester Hours Required 120 hrs
**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 Business Administration, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- 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.

**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 Fee**
- Full-time Student ........................................... $30 per term
- Part-time Student ........................................... $15 per term

**FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT MAJORS**

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<td>ACG 2071*</td>
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**HUMAN RESOURCE MANAGEMENT TRACK**

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<td>MAN 4301</td>
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<td>GEB 3375</td>
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<td>MAN 4701</td>
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<td><strong>MAN Elective</strong></td>
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<td><strong>MAN Elective</strong></td>
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<td><strong>MAN Elective</strong></td>
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<td><strong>Students select three electives from among MAN courses and BUL 4540.</strong></td>
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<td><strong>General electives as required to reach 120 semester hours.</strong></td>
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**ENTREPRENEURSHIP TRACK**

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<td>GEB 3375</td>
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**MANAGEMENT INFORMATION SYSTEMS (B.S.B.A.)**

**College of Business Administration**

**BA2 101, 407-823-2184**

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, and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

**Degree Requirements**

1. UCF General Education Program

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<td>B. Cultural and Historical Foundations</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
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<tr>
<td>Select MAC 1140 Pre-Calculus</td>
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<tr>
<td>D. Social Foundations</td>
</tr>
<tr>
<td>Select ECO 2013 Macroeconomics or ECO 2923 Microeconomics</td>
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<tr>
<td>Select one: PSY 2012, SYG 2000, ANT 2000</td>
</tr>
<tr>
<td>E. Science Foundation</td>
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</table>

2. Common Program Prerequisites

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<th>(18-21 hrs)</th>
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<td>Must be completed with a 2.0 or better.</td>
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<td>ACG 2021 Principles of Financial Accounting</td>
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<td>ACG 2071 Principles of Managerial Accounting</td>
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<td>ECO 2013 Macroeconomics</td>
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<td>ECO 2023 Microeconomics</td>
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<td>GES 3200C Computer Fundamentals for Business</td>
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<td><strong>ECO 3401 Quantitative Business Tools I</strong></td>
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*At UCF, students who have completed MAC 2223 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.*

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

3. Core Classes

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<td>Must be completed with a 2.0 or better.</td>
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<tr>
<td>Cornerstone (Required in 1st or 2nd semester)</td>
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<td>Introduction to International Business</td>
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</table>
FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT INFORMATION SYSTEMS MAJORS

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1608 3 Art/Music/Lit 3
**Elective 3 MAC 1105* 3
**Elective 3 CGS 2100C* 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2013* 3
ACG 2021* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 MAR 3023 4
**Elective 3 ECO 3401* 3
**C" (2.0) or better grade required in each class

Junior
1st Term 16 hrs 2nd Term 15 hrs
GEB 3031 4 MAR 3023 4
ISM 3011C 4 ISM 4212C 4
ISM 3253 4 ISM 4220 3
GEB 3375 4 ECO 3411 4

Senior
1st Term 17 hrs 2nd Term 14 hrs
ISM Elective 3 MAN 4720 4
FIN 3403C 4 ISM 4300 3
ISM 4401 3 ISM Elective 3
MAN 3025 4 BUL 3130 4
ISM 4113 3
**General electives as required to reach 120 semester hours.

MARKETING (B.S.B.A.) – GENERAL PROGRAM

College of Business Administration
BA2 101, 407-823-2184
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, and Gordon Rule, or an AA degree from a Florida Public Community College
UCF Degree Programs

II. See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - 9 hrs
       - Preferred: SPC 1608
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1140 Pre-Calculus
       - 3 hrs
     - Select CGS 2100C Computer Fundamentals for Bus
       - 3 hrs
   - D. Social Foundations
     - Select ECO 2013 Macroeconomics or
       - ECO 2023 Microeconomics
       - 3 hrs
     - Select one: PSY 2012, SYG 2000, ANT 2000
       - 3 hrs
   - E. Science Foundation
     - 6 hrs

2. Core Classes (18-21 hrs)
   - Must be completed with a “C” (2.0) or better.
     - ACG 2021 Principles of Financial Accounting
       - 3 hrs
     - ACG 2071 Principles of Managerial Accounting
       - 3 hrs
     - ECO 2013 Macroeconomics
       - 3 hrs
     - ECO 2023 Microeconomics
       - 3 hrs
     - *ECO 3401 Quantitative Business Tools I
       - 3 hrs
     - CGS 2100C Computer Fundamentals for Business
       - 3 hrs

3. Required for All Business Majors (36 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031 Cornerstone (Required in 1st or 2nd semester)
       - 4 hrs
     - GEB 3375 Introduction to International Business
       - 4 hrs
     - BUL 3130 Legal & Ethical Environments of Business
       - 4 hrs
     - ECO 3411 Quantitative Business Tools II
       - 4 hrs
     - FIN 3403C Business Finance
       - 4 hrs
     - MAN 3025 Management of Organizations
       - 4 hrs
     - ISM 3011C Essentials of Management
       - 4 hrs
     - Information Systems
     - MAR 3203 Marketing
       - 4 hrs
     - Last Semester:
     - MAN 4723 Strategic Management
       - 4 hrs

4. Special college and/or department requirements:
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Students wanting to major in Marketing must complete for admission requirements.
   - Final exams will be given during Exam Week.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
   - Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in 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. MAR 3023 is included in this requirement.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. 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

6. Restricted Electives - General Marketing
   - Minimum of 2 courses required:
     - MAR 3323 Integrated Marketing Communication
       - 3 hrs
     - MAR 3403 Sales Force Management
       - 3 hrs
     - MAR 3721 E-Marketing
       - 3 hrs
     - *MAR 4156 International Marketing
       - 3 hrs

7. Restricted Electives-Sales Track* (9 hrs)
   - Students must take:
     - MAR 3403 Sales Management
       - 3 hrs
     - MAR 4415C Advanced Professional Selling
       - 3 hrs
     - MAR 4413C Strategic Issues in Sales
       - 3 hrs

   - Admission by department approval. Required to declared marketing major.
   - Requires submission of application by May 1. Must have earned a grade of B (3.0) or higher in MAR 3391 to apply.
   - Department faculty committee will select a maximum of 40 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions in the application form.
   - MAR 4415C is offered in the fall semester. MAR 4413C is offered in the Spring semester.

8. Foreign Language Requirements (0-8 hrs)
   - 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

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
     - 60 semester hours earned after any CLEP award
     - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
     - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

Graduation: 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, 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.
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## UCF Degree 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fee
- Full-time Student: $30 per term
- Part-time Student: $15 per term

### FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

#### Freshman

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Must complete nine hours in a summer semester.

#### Sophomore

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**“C” (2.0) or better grade required in each class**

#### Junior

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Must complete nine hours in a summer semester.

#### Senior

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

**1st Term** 16 hrs  **2nd Term** 16 hrs

### WRITE TO COLLEGE OF SCIENCES, DEPARTMENT OF MATHEMATICS, MAP 207, 407-823-6284

### FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

#### Freshman

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101*</td>
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<td>ENC 1102*</td>
<td>3</td>
</tr>
<tr>
<td>Cult-Hist f</td>
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<td>Cult-Hist II*</td>
<td>3</td>
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</table>

Must complete nine hours in a summer semester.

#### Sophomore

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<thead>
<tr>
<th>Term</th>
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<tr>
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<td>ECO 2013*</td>
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<tr>
<td>ACG 2021*</td>
<td>3</td>
<td>ACG 2071*</td>
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<tr>
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<tr>
<td><strong>Elective</strong></td>
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<td>ECO 3401*</td>
<td>3</td>
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**“C” (2.0) or better grade required in each class**

#### Junior

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<tr>
<th>Term</th>
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<tr>
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<td>MAR 3391</td>
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<tr>
<td>GEB 3031</td>
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<td>BUL 3130</td>
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<td>GEB 3375</td>
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<td>MAR 3023</td>
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<td>MAR 3503</td>
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<tr>
<td>MAR 3613</td>
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Must complete nine hours in a summer semester.

#### Senior

<table>
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<tr>
<th>Term</th>
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<tr>
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<tr>
<td>ECO 3411</td>
<td>4</td>
<td>MAR 3391</td>
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</tr>
</tbody>
</table>

**1st Term** 16 hrs  **2nd Term** 17 hrs

### 1. UCF General Education Program (36+2 hrs)

1. Communication Foundations: 9 hrs
2. Cultural and Historical Foundations: 9 hrs
3. Mathematical Foundations:
   - 1. Select MAC 2311: 4 hrs
   - 2. Select COP 3202C: 3 hrs
4. Social Foundations: 6 hrs
5. Science Foundations:
   - 1. Select PHY 2048 & L: 4 hrs
   - 2. Select a listed course: 3 hrs

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

- **COP 3223**: Intro to Programming with C: 3 hrs
- MAC 2311: Calculus with Analytic Geo I: GEP
- MAC 2312: Calculus with Analytic Geo II: 4 hrs
- MAC 2313: Calculus with Analytic Geo III: 4 hrs
- PHY 2048&L: Physics for Sci & Eng I w/lab: 4 hrs
- PHY 2049&L: Physics for Sci & Eng II w/lab: 4 hrs

*See Transfer Notes for possible substitutes*

### 3. Core requirements (48 hrs)

- PHY 2048&L: Physics for Sci & Eng I w/lab: GEP
- PHY 2049&L: Physics for Sci & Eng II w/lab: CPP

One course selected from:

- ENC 3241: Writing for Tech Professional: 3 hrs
- ENC 3310: Magazine Writing I: 3 hrs
- ENC 3311: Advanced Expository Writing: 3 hrs
- STA 2023: Statistical Methods I: 3 hrs
- MTH 3302: Logic and Proof in Mathematics: 3 hrs
- MAP 2302: Differential Equations: 3 hrs
- MAS 3105: Matrix & Linear Algebra: 4 hrs
- MAS 3106: Linear Algebra: 4 hrs

Select one course:

- MAD 4203: Applied Combinatorics: 3-4 hrs
- MAP 4153: Vector and Tensor Analysis: 3 hrs
- MAP 4307: Applied Complex Variables: 3 hrs
- MAP 4363: Applied Boundary Value Prob I: 3 hrs
- STA 4321: Statistical Theory I: 3 hrs
- MAP 4364: Applied Boundary Value Prob II: 3 hrs
- COP 3503C: Computer Science I: 3 hrs
- STA 4522: Statistical Theory II: 3 hrs
- MAA 4262: Advanced Calculus I: 4 hrs
- COT 4500: Numerical Calculus: 3 hrs
- MAP 4103: Mathematical Modeling I: 3 hrs
### 4. Restricted Electives

<table>
<thead>
<tr>
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<th>Courses</th>
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<tbody>
<tr>
<td>Freshman Year</td>
<td>Fall</td>
</tr>
<tr>
<td>1. UCF General Education Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3900 Introduction to Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223 Intro to Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geo</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geo</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistics Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Spring</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geo</td>
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<tr>
<td>MAC 2314 Calculus with Analytic Geo</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistics Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the major.
- Participate in an exit interview.
- Computer Competency met by COP 3502C
- Before applying to graduate, the CLAST must be completely satisfied.

### 6. Foreign Language Requirements
**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

### 7. Electives
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable).

### Total Semester Hours Required
120 hrs

### Related Programs:
- Applied Math
- Computer Science
- Engineering
- Math Education
- Statistics

### Related Minors:
- Applied Math
- Computer Science
- Engineering
- Math
- Statistics

### 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 common program prerequisites if taken prior to transferring to UCF:
  - COP 3223* may use any programming language course with a COP prefix
  - PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oceans.ucf.edu/aclacademic_learning_compacts.htm](http://www.oceans.ucf.edu/aclacademic_learning_compacts.htm)

### Suggested 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.

### Summer
3. Basic Core Requirements (6 hrs)
   - COP 3502C: Computer Science I
   - PHY 2048&L: Physics for Sci & Eng I w/lab
   - PHY 2049&L: Physics for Sci & Eng II w/lab
   - STA 2023: Statistical Methods I
   - MAP 2302: Differential Equations

4. Advanced Core Requirements (42 hrs)
   - Select one course:
     - MTH 3302: Logic and Proof in Mathematics
     - COP 3100C: Intro to Discrete Structures
     - ENC 3341: Writing for the Tech Professional
     - MAS 3106: Linear Algebra
     - MAD 4203: Applied Combinatorics
     - MAP 4307: Appl of Complex Variables
     - COP 4363: Appl Boundary Value Prob I
     - STA 4321: Statistical Theory I
     - COP 3505C: Computer Science II
     - COP 5422: Statistical Theory II
     - MAA 4226: Advanced Calculus I
     - COP 5400: Numerical Calculus
   - Select one course:
     - MAP 4103: Mathematical Modeling I
     - MAP 4153: Vector and Tensor Analysis

5. Restricted Electives (18 hrs)
   - Select six upper division courses:
     - COP 3402: Programming Languages I
     - COP 3502C: Computer Science I
     - MAP 2302: Differential Equations
     - COP 3502C: Computer Science I

6. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each course required in the
     degree program (sections 2-5 above).
   - Participate in an exit interview.
   - Computer Competency met by COP 3502C.
   - Before applying to graduate, the CLAST must be completely sat-
     isfied.

7. Foreign Language Requirements
   Admission: Two years high school, or one year college language
   (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. Electives (variable)
   - 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. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in
     residency at UCF
   - A 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
     CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Acceptable Substitutes for common program prerequisites if taken
prior to transferring to UCF:
   - COP 3223*: may use any programming language course with a
     COP prefix.
   - PHY 2048 & PHY 2049 with labs: may use any PHY, CHM or
     BSC course with a lab designed for science majors; however,
     PHY 2048 & PHY 2049 with labs are core requirements and still
     must be taken.

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

MATHMATICS -
ENGINEERING/PHYSICS TRACK (B.S.)
College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a
suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC
2312H, MAC 2313H, and MAP 2302H.

Admission Requirements
   - none

Degree Requirements
   - Students who change degree programs and select this major
     must adopt the most current catalog.
   - All mathematics courses except MAC 2311, MAC 2312, MAC
     2313 and MAP 2302 must either be taken from, or approved by,
     the Department of Mathematics at UCF.
   - 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.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations
     1. Select MAC 2311 4 hrs
     2. Select COP 3502C 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations
     1. Select PHY 2048 & L 4 hrs
     2. Select a listed course 3 hrs

2. Common Program Prerequisites (15 hrs)
   - COP 3223*: Intro to Programming with C 3 hrs
   - MAC 2311: Calculus with Analytic Geo I GEP
   - MAC 2312: Calculus with Analytic Geo II 4 hrs
   - MAC 2313: Calculus with Analytic Geo III 4 hrs
   - PHY 2048&L: Physics for Sci & Eng I w/lab
   - PHY 2049&L: Physics for Sci & Eng II w/lab 4 hrs
   *See Transfer Notes for possible substitutes

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

3. Basic Core Requirements (6 hrs)
   - COP 3502C: Computer Science I
   - PHY 2048&L: Physics for Sci & Eng I w/lab
   - PHY 2049&L: Physics for Sci & Eng II w/lab
   - MAP 2302: Differential Equations
   - Select one course:
     - STA 3032: Prob. & Stats for Engineers
     - STA 2023: Statistical Methods I

4. Advanced Core Requirements (53 hrs)
   - Select one course:
     - MTH 3302: Logic and Proof in Mathematics
     - COP 3100C: Intro to Discrete Structures
### UCF Degree Programs

#### College of Sciences

**Mathematics - Mathematical Economics Track (B.S.)**

**Department of Mathematics, MAP 207, 407-823-6284**

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

**Contact:** H. Martin, MAP 215A, 407-823-5700, E-mail: martin@math.ucf.edu

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.

5. **Restricted Electives (6 hrs)**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
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<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3223</td>
<td>Electricity &amp; Magnetism I</td>
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<tr>
<td>PHY 4324</td>
<td>Electricity &amp; Magnetism II</td>
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<td>EGE 3561</td>
<td>Structure &amp; Property of Materials</td>
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<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
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<td>EEE 3342C</td>
<td>Intro. to Digital Circuits and Systems</td>
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<td>EEL 3607</td>
<td>Intro. to Computer Engineering</td>
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<tr>
<td>EML 4142C</td>
<td>Environmental Eng - Process Design</td>
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<td>ESI 4234</td>
<td>Quality Engineering</td>
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<td>ESI 4523C</td>
<td>Systems Simulation</td>
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<td>EIN 4333C</td>
<td>Industrial Control Systems</td>
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<td>EML 4740</td>
<td>Electromagnetic Fields</td>
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<td>EML 4750C</td>
<td>Anagol &amp; Digital Communication Fund.</td>
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<td>EEL 4767C</td>
<td>Computer System Design I</td>
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<tr>
<td>EEL 4832</td>
<td>Eng. Applications of Computer Models</td>
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<tr>
<td>EEL 4851C</td>
<td>Engineering Data Structures</td>
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8. **Electives** (variable)

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. **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 36 hours of course work must be completed in residency at UCF
- A 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 CLAST, and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 120 hrs

**Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics**

**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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048 and PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 and PHY 2049 with labs are core requirements and still must be taken.

**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](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)
UCF Degree Programs

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAC 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.

1. UCF General Education Program (36+2 hrs)
   A. Communication Foundations: 9 hrs
   B. Cultural and Historical Foundations: 9 hrs
   C. Mathematical Foundations: 9 hrs
   D. Social Foundations: 3 hrs
   E. Science Foundations: 3 hrs

2. Common Program Prerequisites (15 hrs)
   COP 3223*: Intro to Programming with C
   MAC 2311: Calculus with Analytic Geo I
   MAC 2312: Calculus with Analytic Geo II
   MAC 2313: Calculus with Analytic Geo III
   Complete one of the following sequences:
   PHY 2048L & PHY 2048L Physics for Eng & Sci I & II, or
   CHM 2045C** & CHM 2046 & L Chemistry Fundamentals I & II, or
   BSC 2010C & BSC 2011C Biology I & II
   *See Transfer Notes for possible substitutes
   **CHM 2040C plus CHM 2041C can substitute for CHM 2045C
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements (25 hrs)
   ECO 2013: Principles of Macroeconomics
   ECO 2023: Principles of Microeconomics
   MATH 3312: Logic and Proof in Mathematics
   MAP 2302: Differential Equations
   MAS 3105: Matrix and Linear Algebra
   STA 4321: Statistical Theory I
   ECO 3101: Intermediate Microeconomics
   ECO 3203: Intermediate Macroeconomics
   ECO 4451: Research Methods in Economics
   STA 2023: Statistical Methods 1

4. Advanced Core Requirements (17 hrs)
   MAA 4226: Advanced Calculus I
   MAS 4106: Linear Algebra
   MAP 4103: Mathematical Modeling I
   ECO 3410: Mathematical Economics
   ECO 4412: Econometrics

5. Restricted Electives (18 hrs)
   Select 3 courses from each of the following two areas:
   Area 1 (3 courses)
   - COT 4510: Numerical Calculus
   - MAD 4203: Applied Combinatorics
   - MAP 4363: Applied Boundary Value Problems I
   - MAP 4307: Applications of Complex Variables
   Area 2 (3 courses)
   - ECO 3703: International Trade
   - ECO 4704: International Macroeconomics
   - ECO 4504: International Economics
   - ECP 4403: Industrial Organization & Game Theory
   - ECP 4302: Environ. & Natural Res. Economics
   - STA 4322: Statistical Theory II

6. 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.
   - Computer Competency met by ECO 4451 or COP 3223.

7. Foreign Language Requirements (0-8 hrs)
   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 (variable)
   Select primarily from upper level courses, with departmental advisor’s approval.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Applied Mathematics, Statistics
Related Minors: Statistics, Computer Science
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.

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.html

Freshman
1st Term
   - ECO 2023: Principles of Microeconomics
   - ENC 1101: Composition 1
   - MAC 2311: Calculus with Analytic Geo I
   - STA 4321: Statistical Theory I
   - ECO 3101: Intermediate Microeconomics
   - STA 2023: Statistical Methods 1

2nd Term
   - ECO 3101: Intermediate Microeconomics
   - ENC 1102: Composition 2
   - MAC 2312: Calculus with Analytic Geo II
   - STA 4322: Research Methods in Economics
   - ECO 3203: Intermediate Macroeconomics
   - STA 2023: Statistical Methods 1

Sophomore
1st Term
   - ECO 2013: Principles of Macroeconomics
   - ENC 1103: Composition 3
   - MAC 2313: Calculus with Analytic Geo III
   - STA 4321: Statistical Theory I
   - ECO 4451: Research Methods in Economics
   - STA 2023: Statistical Methods 1

2nd Term
   - ECO 2023: Principles of Microeconomics
   - ENC 1104: Composition 4
   - MAC 2314: Calculus with Analytic Geo IV
   - STA 4322: Research Methods in Economics
   - ECO 3203: Intermediate Macroeconomics
   - STA 2023: Statistical Methods 1

Junior
1st Term
   - ECO 3101: Intermediate Microeconomics
   - MAC 2313: Calculus with Analytic Geo III
   - STA 4321: Statistical Theory 1
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus

2nd Term
   - ECO 3101: Intermediate Microeconomics
   - MAC 2314: Calculus with Analytic Geo IV
   - STA 4322: Research Methods in Economics
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus

Senior
1st Term
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus
   - STA 4321: Statistical Theory 1
   - ECO 4451: Research Methods in Economics
   - MAA 4226: Advanced Calculus

2nd Term
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus
   - STA 4321: Statistical Theory 1
   - ECO 4451: Research Methods in Economics
   - MAA 4226: Advanced Calculus

**GEP**
- General electives as required to reach 120 semester hours.

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

Freshman
1st Term
   - ECO 2023: Principles of Microeconomics
   - ENC 1101: Composition 1
   - MAC 2311: Calculus with Analytic Geo I
   - STA 4321: Statistical Theory I
   - ECO 3101: Intermediate Microeconomics
   - STA 2023: Statistical Methods 1

2nd Term
   - ECO 2023: Principles of Microeconomics
   - ENC 1102: Composition 2
   - MAC 2312: Calculus with Analytic Geo II
   - STA 4322: Research Methods in Economics
   - ECO 3203: Intermediate Macroeconomics
   - STA 2023: Statistical Methods 1

Sophomore
1st Term
   - ECO 2013: Principles of Macroeconomics
   - ENC 1103: Composition 3
   - MAC 2313: Calculus with Analytic Geo III
   - STA 4321: Statistical Theory I
   - ECO 4451: Research Methods in Economics
   - STA 2023: Statistical Methods 1

2nd Term
   - ECO 2023: Principles of Microeconomics
   - ENC 1104: Composition 4
   - MAC 2314: Calculus with Analytic Geo IV
   - STA 4322: Research Methods in Economics
   - ECO 3203: Intermediate Macroeconomics
   - STA 2023: Statistical Methods 1

Junior
1st Term
   - ECO 3101: Intermediate Microeconomics
   - MAC 2313: Calculus with Analytic Geo III
   - STA 4321: Statistical Theory 1
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus

2nd Term
   - ECO 3101: Intermediate Microeconomics
   - MAC 2314: Calculus with Analytic Geo IV
   - STA 4322: Research Methods in Economics
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus

Senior
1st Term
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus
   - STA 4321: Statistical Theory 1
   - ECO 4451: Research Methods in Economics
   - MAA 4226: Advanced Calculus

2nd Term
   - ECO 4412: Econometrics
   - MAA 4226: Advanced Calculus
   - STA 4321: Statistical Theory 1
   - ECO 4451: Research Methods in Economics
   - MAA 4226: Advanced Calculus

**GEP**
- General electives as required to reach 120 semester hours.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oears.ucf.edu/alc/academic_learning_compacts.html
MATHEMATICS - PURE TRACK (B.S.)

College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements        none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- 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.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Select COP 3502C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations
      1. Select PHY 2048 & L 4 hrs
      2. Select a listed course 3 hrs

2. Common Program Prerequisites (15 hrs)
   COP 3223*: Intro to Programming with C 3 hrs
   MAC 2311 Calculus with Analytic Geo I GEP
   MAC 2312 Calculus with Analytic Geo II 4 hrs
   MAC 2313 Calculus with Analytic Geo III 4 hrs
   PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs
   PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs
   *See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (48 hrs)
   PHY 2048L Physics for Sci & Eng I w/lab GEP
   PHY 2049L Physics for Sci & Eng II w/lab CPP
   One course selected from
   ENC 3241 Writing for the Technical Professional 3 hrs
   ENC 3310 Magazine Writing 3 hrs
   ENC 3311 Advanced Expository Writing 3 hrs
   STA 2023 Statistical Methods 3 hrs
   MTH 3302 Logic and Proof in Mathematics 3 hrs
   MAP 2302 Differential Equations 3 hrs
   MAS 3105 Matrix & Linear Algebra 4 hrs
   MAS 3106 Linear Algebra 4 hrs
   MAP 4303 Applied Boundary Value Prob I 3 hrs
   STA 4321 Statistical Theory I 3 hrs
   MAS 4301 Abstract Algebra I 3 hrs
   STA 4322 Statistical Theory II 3 hrs
   COP 3502C Computer Science I GEP
   MAA 4226 Advanced Calculus II 4 hrs
   MAA 4227 Advanced Calculus II 4 hrs
   MAD 4203 Applied Combinatorics 3 hrs
   MTG 4302 Introduction to Topology 3 hrs
   MAP 4307 Appl of Complex Variables 3 hrs

4. Restricted Electives (3 hrs)
   Biological or physical sciences electives 3 hrs

Note: Students must satisfy course prerequisites before enrolling.

Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

5. 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.
   - Computer Competency met by COP 3502C
   - Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements

Admission: Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Statistics, Applied Math, Computer Science, Engineering, Mathematics Education
Related Minors: Computer Science, Engineering, Math, Physics, Statistics

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 common program prerequisites if taken prior to transferring to UCF:
- COP 3232*: may use any programming course with a COP prefix
- PHY 2048 & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

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

Suggested 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.

Summer
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall  Spring
ANT 2000* req# 1D1-GEP  3  BSC 1005* req#1E2 GEP  3
ENC 2000* req# 1D2-GEP  3  BSC 1005* req#1E2 GEP  3
ENC 1101 Composition I  3  ENC 1102 Composition II  3
ENF 2002* req# 1D3-GEP  3  MTH 3302 Logic and in Math  3
ANT 2000* req# 1D2-GEP  3  BSC 1005* req#1E2 GEP  3
BSC 1005* req#1E2 GEP  3  BSC 1005* req#1E2 GEP  3

Sophomore Year

Fall  Spring
COM 1000* req# 1A3-GEP  3  POS 2041* req# 1D1-GEP  3
PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

209
UCF Degree Programs

College of Education

Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/mathed

Program Coordinators: Dr. Janet Andreassen, ED 123Q, 407-823-5430, E-mail: jandreas@mail.ucf.edu; Dr. Erhan Haciomeroglu, ED 115L, 407-823-4336, E-mail: erhansh@mail.ucf.edu

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 and/or CLAST examination (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 (36+1 hrs)

   A. Communication Foundation
      - 1. ENC 1101 English Composition I (3 hrs)
      - 2. ENC 1102 English Composition II (3 hrs)
   B. Cultural-Historical Foundation
      - 1. Pref: AMH 1010 U.S. History 1492-1877 (3 hrs)
      - 2. Pref: PHI 1010 Introduction to Philosophy (3 hrs)
      - 3. Pref: AMH 2020 U.S. History 1877-present (3 hrs)
   C. Mathematical Foundation
      - 1. Select MAC 2311 Calculus with Analytic Geometry I (4 hrs)
      - 2. Select: STA 2023 Statistical Methods I (3 hrs)
   D. Social Foundation
      - 1. Select: POS 2401 American National Government (3 hrs)
      - 2. Select: PSY 2021 General Psychology (3 hrs)
   E. Science Foundation
      - 1. Pref: PSC 1121 Physical Science (3 hrs)
      - 2. Pref: ANT 2511 The Human Species or BSC 1005 Biological Principles (3 hrs)

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

   - EDF 2005 Introduction to the Teaching Profession (3 hrs)
   - EDF 2085 Introduction to Diversity for Educators (3 hrs)
   - EME 2040 Introduction to Technology for Educators (3 hrs)

Note: 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.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Other Program Requirements (14 hrs)

   - EDF 2130 Child & Adolescent Development for Educators (3 hrs)
   - MAC 2311 Calculus with Analytic Geometry I (4 hrs)
   - STA 2023 Statistical Methods I (3 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)

Note: Students should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the program coordinator.

4. Education Core Requirements (18 hrs)

   - EDF 4410 Teaching Strategies and Classroom Management (3 hrs)
   - EDF 447 Teacher Certification Examination (3 hrs)
   - EDF 4903 Analysis and Applications of Ethical, Legal, and Social Issues in Schools (3 hrs)
   - TSL 4080 Theory and Practice of Teaching ESL (3 hrs)
   - ERE 4242 Teaching Exceptional Students in Sec Settings (3 hrs)
   - RED 4043 Content Reading Kindergarten thru Grade 12 (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 mathematics courses including EDF 4434 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, RED 4043 Content Reading Kindergarten thru Grade 12, and TSL 4080 Theory and Practice of Teaching ESL 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/.

5. Internship I Block (7 hrs)

   - MAE 3940 Internship I (3 hrs)
   - MAE 4360 Mathematics Instructional Analysis (4 hrs)

6. Specialization Requirements (23 hrs)

   A. A grade of "C-" (1.75) or better is required.

   - MAS 3105 Elementary Linear and Matrix Algebra (4 hrs)
   - MAS 3203 Introduction to Number Theory (3 hrs)
   - MTH 3302 Logic and Proof in Mathematics (3 hrs)
   - MTH 4404 History of Mathematics (3 hrs)
   - MTG 4212 Modern Geometry (4 hrs)
   - STA 4163 Statistical Methods II (3 hrs)
   - MAE 4634 Programs in Teaching Mathematics (3 hrs)

7. Internship II (12 hrs)

   - MAE 4941 Internship II (12 hrs)

   - At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

   - Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (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.)

9. 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.
10. University Minimum Exit Requirements
A. 2.0 UCF GPA
B. 60 semester hours earned after CLEP awarded
C. 48 semester hours of upper division credit completed
D. 30 of the last 36 hours of course work must be completed in residence at UCF
E. 25% of course work must be completed in residence at UCF
F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

12. Recommended Four-Year Sequence of Courses

Freshman Year
Fall 13 hrs
EDF 2085 Intro to Diversity for Ed 3
AMH 2010 U.S. History 1492-1877 3
ENC 1101 English Composition I 3
MAC 2311 Calculus with Analytic Geo I 4
PSC 1121 Physical Science 3
ANT 2511 The Human Species or 3
BSC 1005 Biological Principles 3
SPC 1608 Fund of Oral Comm 3
SUMMER
EML 4500 Preparatory Mathematics 3
PHI 2010 Intro to Philosophy 3

Sophomore Year
Fall 15 hrs
MAP 2302 Differential Equations 3
MHF 3302 Logic & Proof in Math 3
PSY 2012 General Psychology 3
POS 2041 American National Gov 3
STA 2023 Statistical Methods I 3
EDF 2130* Child and Adolescence 3

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year
Fall 12 hrs
EDF 4467 Learn Theory & Asmnt 3
EDG 4410 Teach Strat & Class Mgmt 3
EEX 4242 Teach Ex Stud in Sec Setting 3
MTG 4212 Modern Geometry 4

Spring 12 hrs
RED 4043 Content Read K-12 3
MAE 4634 Prog in Teach Math 3
STA 4163 Statistical Methods II 3
TSL 4080 Theory & Prac of Teach 3
ESOL Students in Schools 3

Senior Year
Fall 12 hrs
MAE 3940 Internship I 3
EDG 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
MIF 4404 History of Math 3
MAE 4360 Math Instruction Analysis 4

Spring 12 hrs
MAE 4941 Internship II 3

MECHANICAL ENGINEERING (B.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering Department,
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu

Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu; Undergraduate Advisor: Waheeda Illasarie, E-mail: willasar@mail.ucf.edu

Admission Requirements: none
1. UCF General Education Program for Engineering Students
The UCF General Education Program (GEP) is described in the General Education Program, found elsewhere in the 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
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603
B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3023 (PR: MAC 2312)
D. Social Foundations
1. Prefer ECO 2013 or ECO 2232.
E. Science Foundations
7 hrs
1. Select PHY 2048/48L (PR: MAC 2311)
2. ANT 2511, BSC 1050, BSC 1052, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s)
(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. marked with an asterisk (*).
Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440* Fundamentals of Chemistry for Eng (CHM 2045C/45L, will substitute) 4 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 2048/48L* Physics for Engineers & Scientists I GEP
PHY 2049/49L* Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
HUM 2000 Humanities Courses GEP
SOC 2000 Social Science Courses GEP
HUM 2000 Humanities or Social Sciences GEP

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

3. Courses Required for the Major
(65 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 senior design courses listed in 5. below.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3345 Structure & Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP
EML 3034C Modeling Methods in MME GEP
EML 3303C Mechanical Engineering Measurements 3 hrs
EML 4312C Feedback Control 3 hrs
EML 3500 Machine Design & 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 Introduction to CAD/CAM 3 hrs

4. Career and Academic advisement
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/Academic Advisement I 0 hr
EML 4991 Mechanical Career/Academic Advisement II 0 hr
Select one of the following three options for your senior year to complete your BSME.

a. Energy Systems Option
EML 3101 Thermodynamics of Mechanical Sys 3 hrs
EML 4304C Thermo-fluids Measurements 2 hrs
EML 4703 Fluid Mechanics II 3 hrs
EML 4145 Topics in Heat Transfer 2 hrs
EML 4221C Experimental Techniques in Mechanical Sys 2 hrs
Approved Electives 9 hrs
b. Mechanical Systems Option

EML 404C  Thermofluids Measurements  2 hrs
EML 4262  Kinematics of Mechanisms  3 hrs
EGM 3601L  Solid Mechanics Lab  2 hrs
EML 4221C  Experimental Techniques in Mechanical Sys  2 hrs
Approved Electives  12 hrs

c. Materials Option

EMA 3012C  Experimental Techniques in Mechanics & Materials  3 hrs
EMA 4102  Thermodynamics and Kinetics of Materials  3 hrs
EMA 3214  Design and Selection of Materials  3 hrs
EMA 4223  Fundamentals of Mech. Behavior of Materials  3 hrs
Approved Electives  9 hrs

5. Departmental Graduation Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last two major semesters of study.

EML 4501C  Engineering Design I  3 hrs
or EGN 4412C  Interdisciplinary Design I  3 hrs
EML 4502C  Engineering Design I  3 hrs
or EGN 4413C  Interdisciplinary Design II  3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Restricted and Technical Electives

Technical electives 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.

8. University Minimum Graduation Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after any CLEP award.
■ 48 semester hours of upper division credit completed.
■ 30 of the last 36 hours of course work must be completed in residency at UCF.
■ 25% of course work must be completed in residency at UCF.
■ A 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 CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required:  128 hrs

Related Programs: Aerospace Engineering.

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 two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

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 Fee
■ Full-time Student: $90 per term
■ Part-time Student: $45 per term

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 Engineering - 128 semester hours required

FIRST YEAR

Fall  15 hrs 1
EGN 1006C Intro to Eng Prof  1
or EGN 1007C Eng Conc & Meth  1
*ENG 1101 English Comp I  3
*CHS 1440 Chem Eng  4
or CHM 2045C wlab  4
*MAC 2311 Calc I  4
or PHY 2048 Phys Eng I wlab  4
+ECE 2013 or 2023 Macro or Micro  3

Spring  15 hrs
*MAC 2311 Calc II  4
*Social Foundations  3
*Honesty Foundations  3

SECOND YEAR

Fall  13 hrs
STA 3032 Prob & Stats/Engrs  3
*MAP 2302 Diff Equations  3
EGN 3310 Engr Anal-Statics  3
*PHY 2049 Phys Eng II wlab  4
EGN 3373 Prin of Elec Engr  3
Summer  10 hrs
EGN 3365 Strpr & Prop Matls  3
*Cultural Foundations  3
*Honesty Foundations  3

THIRD YEAR

Fall  15 hrs 1
EGN 3365 Strpr & Prop Matls  3
EG 3701 Fluid Mechanics I  3
EML 3034C Modeling Methods  3
EML 3330C Mech Engr Meas  3
EML 3990 Career/Acad Advise I  0
*Science Foundations  2
Summer  10 hrs
EML 4991 Career/Acad Advise II  0

FOURTH YEAR

I. ENERGY SYSTEMS OPTION

Fall  14 hrs 2
EML 3101 Thermo Mech Sys  3
or EGN 4413C Inter Design II  3
EML 4703 Fluid Mechanics II  3
or EGN 4413C Inter Design II  3
EML 4501C Eng Design I  3
or EGN 4412C Inter Design I  3
EML 4312C Feedback Control  3
EML 4221C Exp. Tech in Mech Sys  3
EML 4991 Career/Acad Advise II  0
Spring  13 hrs 2
EML 4413C Inter Design II  3
or EGN 4413C Inter Design II  3
EML 4501C Eng Design II  3
or EGN 4412C Inter Design I  3
EML 4312C Feedback Control  3
EML 4221C Exp. Tech in Mech Sys  3
EML 4991 Career/Acad Advise II  0

II. MECHANICAL SYSTEMS OPTION

Fall  14 hrs 2
EML 3262 Kinem Mechsys  3
EML 4501C Eng Design I  3
or EGN 4413C Inter Design II  3
EML 4501C Eng Design I  3
or EGN 4412C Inter Design I  3
EML 4221C Exp. Tech in Mech Sys  3
Approved Elective  3
EML 4991 Career/Acad Advise II  0
Summer  13 hrs 2
EML 3262 kinem mechsys  3
EML 4501C Eng Design II  3
EML 4312C Feedback Control  3
Approved Elective  3
EML 4991 Career/Acad Advise II  0

III. MATERIALS OPTION

Fall  15 hrs 2
EML 4102 Thermo & Kinetics of Mtls  3
EML 4501C Eng Design I  3
or EGN 4413C Inter Design II  3
EML 4501C Eng Design I  3
or EGN 4412C Inter Design I  3
EML 3214 Design & Select of Mtls  3
EML 4312C Feedback Control  3
Approved Elective  3
EML 4991 Career/Acad Advise II  0

Spring  12 hrs 2
EML 4102 Thermo & Kinetics of Mtls  3
EML 4501C Eng Design II  3
EML 4312C Feedback Control  3
Approved Elective  3
EML 4991 Career/Acad Advise II  0

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Students should consult the MMAE Web site (http://www.mmae.ucf.edu) or with the MMAE Associate Chairman in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with the MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
3. The State University System requires students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in the Catalog.
Important Notice:

- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan must be discussed with an academic advisor. Failure to take the courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.
- If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum, it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and are required for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department 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 the Catalog for more information.

MEDICAL LABORATORY SCIENCES (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P.E. Kolattukudy
Program Director: Dorilyn Hitchcock, E-mail: hitchcod@mail.ucf.edu

Admission Requirements

Limited Access

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 begin in the Spring of the year admission is sought. Applications will be accepted until the class is filled.

The application for the program can be found at http://www.biomed.ucf.edu.

- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.

- Students must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.

- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

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 FDL education check and Florida Department of Health Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (36 + 2 hrs)

   - A. Communication Foundations
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - Select MAC 1105
   - Select STA 2023

   - D. Social Foundations
   - E. Science Foundations
   - Select BSC 2010C
   - Select CHM 2045C

2. Common Program Prerequisites (25 hrs)

   - BSC 2010C General Biology and lab
   - CHM 2045C, 2046 Chemistry Fundamentals I & II w/labs
   - STA 2023 Statistical Methods I
   - ZOO 3733C Human Anatomy and Lab*
   - CHM 2210, 2211 Organic Chemistry I & II w/labs
   - MCB 3020C General Microbiology*
   - PCB 3703C Human Physiology and Lab*

   *See Transfer Notes

3. Core Requirements (63 hrs)

   - MLS 3220C Clinical Microscopy with lab
   - MLS 4625 Advanced Clinical Chemistry I/lab
   - MLS 4630 Advanced Clinical Chemistry II
   - PCB 3233 Immunology with Lab
   - MLS 4430C Clinical Parasitology
   - MLS 3305 Hematology with Lab
   - MLS 4505C Immunodiagnostics
   - MLS 4910 Intro to Clinical Research
   - MLS 4550 Clinical Immunohematology
   - MLS 4460C Clinical Pathogenic Microbiology
   - MLS 4334 Hemostasis
   - MLS 4533 Medical Technology Seminar
   - MLS 3705 Concepts in Education/Management
   - MLS 4830C Interpretive & Practical Clinical Chem
   - MLS 4831C Interpretive & Practical Immunohematology
   - MLS 4832C Diagnostic Microbiology
   - MCG 1060C Computer Fundamentals for Business
   - BSC 3403C Quantitative Biological Methods

4. Upper Division Restricted Electives

5. Departmental Exit Requirements (126 hrs)

   - 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 for 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.

6. Electives

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. University Minimum Exit Requirements

   - A 2.0 UCF GPA.

   - 60 semester hours earned after CLEP awarded.

   - 48 semester hours of upper division credit completed.

   - 30 of the last 36 hours of course work must be completed in residency at UCF.

   - 25% of course work must be completed in residency at UCF.

   - A 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 CLAST and nine hours of summer credit (if applicable).

Total Semester Hours Required

- 126 hrs

Related Programs:

- Molecular Biology and Microbiology, Biology, Chemistry

Related Minors:

- Molecular Biology and Microbiology, Biology, Chemistry
UCF Degree Programs

Transfer Notes:
Community College Equivalencies
- General Microbiology/Lab (MCH 2010C) 4 hrs
- Human Anatomy and Physiology I & II (BSC 2093C and 2094C) 8 hrs

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Program Accreditation
The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS - 8410 Bryn Mawr Avenue Suite 670, Chicago, IL 6063) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.

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 Fee
- Full-time Student: $78 per term
- Part-time Student: $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 16 hrs Spring 17 hrs
ENC 1101 3 ENC 1102 3
MAC 1105 3 BSC 2010C 4
SPC 1605 3 CHM 2046 3
CHM 2045C 4 CHM 2046L 2
CGS 1060C 3 ANT 2000 or SYG 2000 3
or PSY 2012
STA 2023 3

Sophomore Year

Fall 16 hrs Spring 17 hrs
POS 2041 or ECO 2013 3 CHM 2211 3
CHM 2210 3 CHM 2211L 2
ZOO 3733C 4 MCB 3020C 5
EUH 2000 or HUM 2210 3 PCB 3703C 4
or AMH 1010 or HUM 2230 3
EUI 2001 or AMH 2020 3

Junior Year

Fall 13 hrs Spring 12 hrs
MLS 3220C 3 MLS 3305/L 3/1
MLS 4225L 3/1 MLS 4630 3
PCB 3233/L 3/1 MLS 4460C 5
MLS 4430C 2
Summer 7 hrs
MLS 4534 3
MLS 4550 4

Senior Year

Fall 16 hrs Spring 13 hrs
MLS 4830C 4 MLS 4910 2
MLS 4831C 4 MLS 4905C 3
MLS 4832C 4 MLS 4933 1
MLS 4833C 4 MLS 3705 3
BSC 3403C 4

MODERN LANGUAGE COMBINATION (B.A.)
College of Arts and Humanities
Department of Modern Languages & Literature, CNH 523
http://mlc.cahe.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Admission Requirements
- Placement Requirements: none
- 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.

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 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 (36 hrs)
   A. Communication Foundations
      - Spanish Composition 3 hrs
   B. Cultural and Historical Foundations
      - French Composition 3 hrs
   C. Mathematical Foundations
      - Advanced French Composition 3 hrs
      - German Composition 3 hrs

2. Common Program Prerequisites (0-14 hrs)
   Completion of Intermediate level of proficiency. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements-first language (24 hrs)
   (French, German or Spanish)
   a. Composition (select one)
      - French Composition 3 hrs
      - Spanish Composition 3 hrs
      - German Composition 3 hrs
   b. Oral Communication (select one)
      - Spanish Oral Communication 3 hrs
      - French Oral Communication 3 hrs
      - German Oral Communication 3 hrs
   c. Literature (select one sequence)
      - French Literature 6 hrs
      - German Literature 6 hrs
      - Spanish Literature 6 hrs
   d. Linguistics (select one)
      - Spanish Phonetics and Diction 3 hrs
      - French Phonetics and Diction 3 hrs
      - German Phonetics and Diction 3 hrs
   e. Restricted Electives in the first language (chosen with departmental advisor) 9 hrs

4. Core requirements-second language (15 hrs)
   (French, German, Spanish, or Italian)
   a. Composition (select one)
      - French Composition 3 hrs
      - Spanish Composition 3 hrs
      - German Composition 3 hrs
   b. Advanced Oral Communication (select one)
      - French Oral Communication 3 hrs
      - Spanish Oral Communication 3 hrs
      - German Oral Communication 3 hrs
   c. Restricted Electives in the second language (chosen with departmental advisor) 9 hrs
## MOLECULAR BIOLOGY AND MICROBIOLOGY (B.S.)

**College of Medicine**  
**Burnett School of Biomedical Sciences**  
**Department of Molecular Biology and Microbiology**  
**HPA2 335, 407-823-5932**  
http://www.biomed.ucf.edu  
Chair: P.E. Kolattukudy

**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

**(38+2 - 3 hrs)**

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

- A. Communication Foundations  
  - Select ENC 1101, ENC 1102  
  - Prefer SPC 1603 Tech Presentations  
  - B. Cultural Historical Foundations  
  - Select STA 2023 or CJS 1060C  
  - Social Foundations  
  - Select BSC 2010C

- **B. Cultural Historical Foundations**
  - Select MAC 2211L

- **C. Mathematical Foundations**  
  - Select MAC 2311 or MAC 2253
  - Select STA 2023 or CJS 1060C
  - Social Foundations  
  - Select BSC 2010C

- **E. Science Foundations**  
  - Select BSC 2010C

### 2. Common Program Prerequisites

**(16 hrs)**

- **BSC 2010C** Biology I  
  - GE
  - **BSC 2011C*** Biology II  
  - GE
  - **CHM 2245**, 2046, General Chemistry I, II, + Lab  
  - GE, 4 hrs
  - **CHM 2210**, 2211, Organic Chemistry I, II, + Lab  
  - 8 hrs
  - **MAC 2311** Calculus with Analytical Geometry I  
  - GE

- **See Transfer Notes for possible substitutes**

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

### 3. Core Requirements

**(33 hrs)**

- **Life Sciences**  
  - **MCB 3020C** General Microbiology  
  - 5 hrs
  - **MCB 4414** Microbial Metabolism  
  - 3 hrs
  - **PCB 4239, 3233** Molecular Immunology + Immunology Lab  
  - 4 hrs
  - **PCB 3522, 4524** Molecular Biology I, II  
  - 6 hrs
  - **BSC 3403C** Quantitative Biological Methods  
  - 4 hrs

- **Chemistry**  
  - **BCH 4053** Biochemistry I  
  - 3 hrs

- **Physics**  
  - **PHY 2053C, 2054C** College Physics I, II  
  - 8 hrs
  - **PHY 2048, 2049 Physics for Scientists and Engineers I, II**

- **Math, Statistics, Computer**  
  - **MAC 2211L or MAC 2223**  
  - GE
  - **STA 2023 or CJS 1060C**  
  - GE

### 4. Upper Division Restricted Elective  

**(7 courses minimum)**

(Six courses, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)

- **BCH 4054** Biochemistry II  
  - 3 hrs
  - **BCH 4103L** Biochemical Methods  
  - 2 hrs
  - **BOT 4443C** General Mycology  
  - 4 hrs
  - **MCB 3202** Principles of Infectious Diseases  
  - 3 hrs
  - **MCB 3203, 3203L** Pathogenic Microbiology + Lab  
  - 4 hrs
  - **MCB 3404** Bacterial Genetics and Physiology  
  - 3 hrs
  - **MCB 4114C** Microbial Systematics and Diagnostics  
  - 4 hrs
  - **MCB 4203** Infectious Process  
  - 3 hrs
  - **MCB 4204** Cellular Microbiology  
  - 3 hrs
  - **MCB 4276** Epidemiology of Infectious Diseases  
  - 3 hrs
  - **MCB 4312** Molecular Biotechnology  
  - 3 hrs
  - **MCB 4503C** Virology  
  - 3 hrs
  - **MCB 4603** Environmental Microbiology  
  - 3 hrs
Transfer Notes:
Students who begin a two semester course sequence (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’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- PCB 3703C** may be substituted by PCB 3403C
- PCB 2045C**: may be substituted by PCB 2040C, 2041C

Honors in the 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 BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits).
- Complete MCB 4970H “Honors Thesis” with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

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 Fee
- Full-time Student ........................................ $78 per term
- Part-time Student ...................................... $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

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<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
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<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
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<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>CHM 2046</td>
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<td>CHM 2045C</td>
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<td>MAC 1114</td>
<td>3</td>
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<tr>
<td>MCB 1005</td>
<td>3</td>
<td>BSC 2010C</td>
<td>4</td>
</tr>
<tr>
<td>or PCB 5238</td>
<td>4</td>
<td>SLS 2311C</td>
<td>2</td>
</tr>
<tr>
<td>or PCB 5239</td>
<td>3</td>
<td>(if Preprofessional)</td>
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Sophomore Year

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<th>Spring</th>
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<tr>
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<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>MCB 3202C</td>
<td>5</td>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>or MAC 221**</td>
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<td>STA 2023</td>
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<tr>
<td>EUH 2000 or AMH 2010</td>
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<td>SPC 1060C</td>
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</tr>
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<td>or WOH 2012 or HUM 2210</td>
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<td>BSC 3403C</td>
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</tr>
<tr>
<td>or MCB 2210C</td>
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<td>EUH 2001</td>
<td>3</td>
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<tr>
<td>or AMH 2020</td>
<td>3</td>
<td>or HUM 2230 or WOH 2022</td>
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</table>

Plan your required 9 summer hours into your course of study.

Junior Year

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<th>Fall</th>
<th>17 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
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<tr>
<td>PCB 3522</td>
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<td>PCB 4524</td>
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<td>Restrictive Elective</td>
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<td>PCB 4239 &amp; PCB 3233L</td>
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<tr>
<td>PHY 2053C</td>
<td>4</td>
<td>PHY 2054C</td>
<td>4</td>
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<tr>
<td>or PHY 2049*</td>
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<td>or PHY 2049*, 2049L</td>
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<tr>
<td>BSC 2110**</td>
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<td>SPC 1608</td>
<td>3</td>
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<td>or ECO 2033 or POS 2041</td>
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<td>or SPC 1603</td>
<td>3</td>
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<td>or (recommend SPC 1603)</td>
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<td>Restricted Elective</td>
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Senior Year

<table>
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<th>Spring</th>
<th>12/15 hrs</th>
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<tr>
<td>BCH 4053</td>
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<td>MCB 4414</td>
<td>3</td>
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<td>Restricted Elective</td>
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<td>Restricted Elective</td>
<td>3/4</td>
</tr>
<tr>
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<td>Restricted Elective</td>
<td>3/4</td>
</tr>
<tr>
<td>Cultural/Historical</td>
<td>3</td>
<td>Restricted Elective</td>
<td>3/4</td>
</tr>
</tbody>
</table>

*Students electing to enroll in the PHY2049/2049 sequence must plan to accommodate MAC 2111/2112 as prerequisites.
**or BSC 3403C
MOLECULAR BIOLOGY AND MICROBIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Chair: P.E. Kolattukudy

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements  
none

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System.

■ Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA 124.

1. UCF General Education Program (36+ 2-3 hrs)
   (Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

   A. Communication Foundations
   Select ENC 1101, ENC 1102  6 hrs
   or
   Select SPC 1013 Tech Presentations  3 hrs
   B. Cultural Historical Foundations
   Cultural Foundations  9 hrs
   or
   Select STA 2023 or CGS 1060  3 hrs
   C. Mathematical Foundations
   Select MAC 2311 or MAC 2311L, MAC 2312  8 hrs
   D. Social Foundations
   Select CHM 2045C, 2045L, 2046, 2046L  8 hrs
   E. Science Foundations
   Select BSC 2010C, 2010CL  4 hrs
   Select MAC 2311  4 hrs

2. Common Program Prerequisites (16 hrs)

   BSC 2010C Biology I  GEP
   or
   BSC 2011C* Biology II  4 hrs
   or
   Select BSC 3203C, 3203CL + Lab  4 hrs
   CHM 2045C**, 2046, General Chemistry I, II, + Lab  8 hrs
   CHM 2211L, Organic Chemistry I, II, + Lab  8 hrs
   MAC 2311, Calculus with Analytical Geometry I  4 hrs

*See Transfer Notes for possible substitutes

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

3. Core Requirements (35 hrs)

   A. Life Sciences
   MCB 3202C General Microbiology  5 hrs
   or
   MCB 3202C Honors General Microbiology  5 hrs
   MCB 4141 Microbial Metabolism  3 hrs
   PCB 4239, 3233L Molecular Immunology + Immunology Lab  4 hrs
   PCB 3522, 4524 Molecular Biology I, II  6 hrs
   BSC 3403C Quantitative Biological Methods  4 hrs
   SLS 2311C Selected Medical Careers  2 hrs

   B. Chemistry
   BCH 4054 Biochemistry I  3 hrs
   or
   BCH 4054H Honors Biochemistry I  3 hrs

   C. Physics
   PHY 2048 College Physics I, II  8 hrs
   or
   PHY 2048 Honors College Physics I, II  8 hrs

   D. Math, Statistics, Computer
   MAC 2311 or MAC 2253  3 hrs
   STA 2023 or CGS 1060  3 hrs
   or
   Select BSC 3307, 3307L, 3307H  3 hrs
   or
   Select MCB 3112 or MCB 3112L  3 hrs
   or
   Select CHEM 3112 or CHEM 3112L  3 hrs
   or
   Select PHY 2048 or PHY 2048H  3 hrs

4. Upper Division Restricted Electives (7 courses minimum)

   (Seven courses, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be laboratory courses. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)

   Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

   BCH 4054  Biochemistry II  3 hrs
   MCB 3302 Principles of Infectious Diseases  3 hrs
   MCB 3303, 3303L Pathogenic Microbiology + Lab  4 hrs
   MCB 3404  Bacterial Genetics and Physiology  3 hrs
   MCB 4203  Infectious Process  3 hrs
   MCB 4276  Epidemiology of Infectious Diseases  3 hrs
   MCB 4312  Molecular Biotechnology  3 hrs
   MCB 4503C  Virology  3 hrs
   MCB 4970H  Honors Thesis  3 hrs
   MCB 5225  Molecular Biology of Disease  3 hrs
   MLS 3305  Hemostasis  3 hrs
   MLS 4430C  Clinical Parasitology  2 hrs
   MLS 4505C  Immunodiagnosics  3 hrs
   PCB 3863  Genetics  3 hrs
   PCB 3703C  Human Physiology  4 hrs
   PCB 4026  Molecular and Cellular Pharmacology  3 hrs
   PCB 4235  Cancer Biology  3 hrs
   PCB 4514  Genetics II  3 hrs
   PCB 4805  Endocrinology  3 hrs
   PCB 5238  Immunobiology  3 hrs
   ZOO 3701C  Human Gross Anatomy  3 hrs
   ZOO 3733C  Human Anatomy  4 hrs
   ZOO 3744  Neurobiology  3 hrs
   ZOO 4803C  Vertebrate Embryology  5 hrs
   ZOO 4805  Human Clinical Embryology  3 hrs
   ZOO 4704C  Clinical Neuroanatomy & Neuroscience  4 hrs
   ZOO 4753C  Vertebrate Histology  4 hrs
   ZOO 4747C  Clinical Neuroscience  4 hrs

5. Departmental Exit Requirements

■ Student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.

■ Independent study, directed research, or similar credit may not be used as a Restricted Elective.

■ Minimum of 20 hours must be taken at UCF in the department of the major.

■ Students are required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

■ A 2.0 UCF GPA.

■ 48 semester hours of upper division credit completed.

■ 30 of the last 36 hours of course work must be completed in residency at UCF.

■ A 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 CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

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. It is highly recommended that students who begin the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.
UfC Degree Programs

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

Honors in the 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 BSC 3404H "Quantitative Biological Methods" with a grade of B or better (4 credits).
- Complete MCB 4970H "Honors Thesis" with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

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 Fee
- Full-time Student ............................................... $78 per term
- Part-time Student ................................................ $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 13 hrs Spring 16 hrs
ENC 1101 3 ENC 1102 3
PSY 2012 or SYG 2000 3 SLS 2311C 2
or ANT 2000 3 CHM 2046 3
CHM 2045C 4 CHM 2046L 1
MAC 1105 or elective 3 BSC 2010C 4

Sophomore Year

Fall 14/15 hrs Spring 15 hrs
CHM 2210 3 ENC 1101 3
MCB 9202C 5 ENC 1102 3
MAC 2311* or MAC 2253 4/3 STA 2023 or CGS 1060C 3
EUH 2000 or AMH 2010 3 BSC 3403C 4
or WOH 2012 or HUM 2210 3 ENC 2100 or AMH 2020 3

Plan your required 9 summer hours into your course of study.

Junior Year

Fall 17 hrs Spring 16 hrs
PCB 3522 3 PCB 4524 3
Restricted Elective 3 PCB 4229 + PCB 3233L 4
PHY 2053C or PHY 2048*, 4 PHY 2054C 4
2048L
BSC 2011C** 4 SPC 1608 or SPC 1603 3
ECO 2013 or POS 2041 3 (recommend SPC 1603) Restricted Elective 2

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

Senior Year

Fall 15/16 hrs Spring 12/16 hrs
BCH 4053 3 MCB 4414 3
Restricted Elective 3 Restricted Elective 3/4
Restricted Elective 3 Restricted Elective 3/4
Elective 3/4 Restricted Elective 3/4
Cultural/Historical 3

Molecular Biology and Microbiology

UCF/USF Accelerated Medical School Program (B.S.)

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

Music (B.A.)

College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu/

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,
E-mail: kgay@mail.ucf.edu

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://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

(see General Education Program for detailed information)

A. Communication Foundations
Select ENC 1101 and ENC 1102
Preferred SPC 1608

B. Cultural and Historical Foundations
Select one course from 1.B.1 list
Select MUH 3212 History and Literature II
Select one course from 1.B.1 or 1.B.2 list

C. Mathematical Foundations
Prefer MGF 1106 Finite Mathematics or MGF 1107
(may substitute a higher level math)
Select STA 1060C Statistics Using Excel

D. Social Foundations

E. Science Foundations

2. Common Program Prerequisites (28 hrs)

MUT 1121 Music Theory and Musicianship I
MUT 1122 Music Theory and Musicianship II
MUT 2126 Music Theory and Musicianship III
MUT 2127 Music Theory and Musicianship IV
MUN XXXX Ensembles
MVK XXXX Performance
MVX XXXX Music History & Literature
MVX 1111 Class Piano I
MVX 1112 Class Piano II
MVX 2121 Class Piano III
MVX 2122 Class Piano IV

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)

MUL 2124 Introduction to Music Literature
MUS 2360C Introduction to Music Technology
MUS 1010 Music Forum (four semesters)

4. Restricted Electives-Music (15-19 hrs)

MUS 4970H Honors Thesis with a grade of B or better (4 credits).

5. 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. Electives  
Select primarily from upper-level courses  
(3-11 hrs)

7. Departmental Exit Requirements  
(3 hrs)
- MUS 4900 Capstone/Senior Thesis Project  
- Earn a grade of "C" (2.0) or better in each Music course

8. Foreign Language Requirements  
(0-8 hrs)
Admission: 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.

9. University Minimum Exit Requirements  
A 2.0 UCF GPA  
60 semester hours earned after CLEP awarded  
48 semester hours of upper division credit completed  
30 of the last 36 hours of course work must be completed in residency at UCF  
A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
120 hrs

Related Programs: Music Education, Music (BM), Theatre, Musical Theatre

Full-time Student: $90 per term  
Part-time Student: $45 per term

Suggested 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  
ENC 1101 Composition I (GEP A.1) 14 hrs  
MUT 1121 Music Theory and Musicianship I  
MUN XXXX Ensemble  
MVX 141X Performance I  
MVK 1111 Class Piano I  
MUS 1010 Music Forum  
MUL 2014 Intro to Music History and Literature  
Spring  
ENC 1102 Composition II (GEP A.2) 17 hrs  
MUT 1122 Music Theory and Musicianship II  
MUN XXXX Ensemble  
MVX 141X Performance II  
MVK 1112 Class Piano II  
MUS 1010 Music Forum  
MUL 2014 Intro to Music History and Literature  

Sophomore Year  
Fall  
SPC 1608 Fundamentals of Oral Comm (GEP A.3) 16 hrs  
MUT 2126 Music Theory and Musicianship III  
MUN XXXX Ensemble  
XXX 1120 Foreign Language  
MVK 2121 Class Piano IV  
MUS 1010 Music Forum  
STA 100C Basic Statistics MS Excel (GEP C.2)  
Spring  
GEP B.1 Cultural & Historical Foundation  
MUT 2227 Music Theory and Musicianship IV  
MUN XXXX Ensemble  
XXX 1121 Foreign Language  
MVK 2122 Class Piano IV  
MUS 1010 Music Forum  
MGF 1106 Finite Mathematics (GEP C.1)  

Junior Year  
Fall  
GEP B.2 Cultural & Historical Foundation 15 hrs  
GEP B.3 Cultural & Historical Foundation  
MUT 340XX Music Restricted Elective  
MUS 340XX Music Restricted Elective  
3XXX 3/4XXX Non-Music Restricted Elective  
Spring  
GEP B.2 Cultural & Historical Foundation  
MUT 340XX Music Restricted Elective  
MUS 340XX Music Restricted Elective  
3XXX 3/4XXX Non-Music Restricted Elective  

Senior Year  
Fall  
GEP D.1 Social Foundation 15 hrs  
GEP D.2 Social Foundation  
3XXX 3/4XXX Non-Music Restricted Elective  
MUS 4900 Capstone Project  
MUP E.2. Science Foundation  
XXX 3/4XXX Non-Music Restricted Elective  
3XXX 3/4XXX Non-Music Restricted Elective  
3XXX 3/4XXX Non-Music Restricted Elective  

MUSIC EDUCATION (B.M.E.)
College of Arts and Humanities  
Department of Music, CNH 205A  
http://www.music.ahs.ucf.edu/  
E-mail: musicaud@mail.ucf.edu  
Contact: A. Holcomb, 407-823-4180, Fax 407-823-3378,  
E-mail: aholcomb@mail.ucf.edu

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 Web site for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements – Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for fall semester admission and September 15 for spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, Music Theory and Musicianship III, 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 a passing score on all 4 parts of the College Level Academic Skills Test (CLAST) or 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:
  - Complete Class Piano IV, MUT 2127 Music Theory and Musicianship IV, two semesters of Performance II.
  - 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).

Notes:
(1) Students may not enroll in Performance I 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 in Section 1004.01, 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.
UCF Degree Programs

Degree Requirements

1. UCF General Education Program (36 hrs)
   (see General Education Program for detailed information)

   A. Communication Foundations
      Select ENC 1101 and ENC 1102
      Prefer SPC 1608
      9 hrs

   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list
      Select MUH 3212 History and Literature II
      Select one course from 1.B.1 or 1.B.2 list
      3 hrs

   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      (may substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
      3 hrs

   D. Social Foundations
      6 hrs

   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (38 hrs)

   EDF 2005 Introduction to the Teaching Profession
   3 hrs

   EDF 2085 Introduction to Diversity for Educators
   3 hrs

   EME 0940 Introduction to Technology for Educators
   3 hrs

   MUN XXXX Major Ensembles (4 semesters)
   4 hrs

   MUS 1010 Music Forum (4 semesters)
   0 hrs

   MUT 1121 Music Theory and Musicianhip I
   4 hrs

   MUT 1122 Music Theory and Musicianhip II
   4 hrs

   MUT 2126 Music Theory and Musicianhip III
   4 hrs

   MUT 2127 Music Theory and Musicianhip IV
   4 hrs

   MVX 141X Class Piano IV
   1 hr

   MVX 141X Performance I (2 semesters)
   4 hrs

   MVX 242X Performance II (2 semesters)
   4 hrs

3. Music Core Requirements (0 hrs)

   MUN XXXX Major Ensembles (4 semesters)
   CPP

   MUS 1010 Music Forum (6 semesters)
   CPP

   MUS 1121 Music Theory and Musicianhip I
   CPP

   MUT 2126 Music Theory and Musicianhip III
   CPP

   MUS 1122 Music Theory and Musicianhip II
   CPP

   MUT 2127 Music Theory and Musicianhip IV
   CPP

   MVX 141X Performance I (2 semesters)
   CPP

   MVX 242X Performance II (2 semesters)
   CPP

4. Music Education Prerequisites (22 hrs)

   MUN XXXX Major Ensembles (2 semesters)
   2 hrs

   MVX 343X Performance III (2 semesters)
   4 hrs

   MUG 3104 Basic Conducting
   2 hrs

   MUL 2014 Introduction to Music Literature
   3 hrs

   MUH 3211 Music History & Literature I
   3 hrs

   MUH 3212 Music History & Literature II
   GEP

   ESE 3940 Internship I
   3 hrs

   ESE 4311 Elementary School Music Methods
   2 hrs

   MUE 3333 Music Learning Theory and Assessment
   3 hrs

5. Education Core (12 hrs)

   EDG 4410 Teaching Strategies and Classroom Management
   3 hrs

   TSL 4080 Theory and Practice of Teaching ESOL Students
   3 hrs

   EDF 4603 Critical Analysis of Ethical, Legal and School Safety Issues
   3 hrs

   RED 4043 Content Reading K-12
   3 hrs

6. Music Education Specialty Area Courses and Professional Program Courses (26 hrs)

   (Professional Program Courses Denoted by *)

   Complete one program:

   Program A - Instrumental
   MUE 2346 Vocal Techniques
   1 hr

   MUG 3302 Instrumental Conduct & Materials*
   2 hrs

   MUE 4335 Secondary Instrumental Methods I*
   3 hrs

   MUE 4335 or Secondary Instrumental Methods II or
   3 hrs

   MUG 4441 String Methods*
   1 hr

   MUE 4394 Seminar in Music Teaching*
   1 hr

   ESE 4943 Internship II*
   11 hrs

   Choose 3:

   MUE 2450 Woodwind Techniques I
   1 hr

   MUE 3451 Woodwind Techniques II
   1 hr

   MUE 2460 Brass Techniques I
   1 hr

   MUE 3461 Brass Techniques II
   1 hr

   MUE 2470 Percussion Techniques I
   1 hr

   MUE 2471 Percussion Techniques II
   1 hr

   MUE 2440 String Techniques
   1 hr

   Program B - Choral

   MUS 1250 IPA for Singers
   1 hr

   MUG 3020 Choral Conduct & Materials*
   2 hrs

   MVV 4640 Vocal Pedagogy and Literature
   2 hrs

   MUE 4331 Secondary Choral Methods I*
   3 hrs

   MUE 4337 Secondary Choral Methods II*
   3 hrs

   MUE 4394 Seminar in Teaching Music*
   1 hr

   ESE 4943 Internship II*
   11 hrs

   Choose 3:

   MUE 2450 Woodwind Techniques I
   1 hr

   MUE 3451 Woodwind Techniques II
   1 hr

   MUE 2460 Brass Techniques I
   1 hr

   MUE 3461 Brass Techniques II
   1 hr

   MUE 2470 Percussion Techniques I
   1 hr

   MUE 2471 Percussion Techniques II
   1 hr

   MUE 2440 String Techniques
   1 hr

   Program C - Elementary School

   MUE 2346 Vocal Techniques
   1 hr

   MUE 4333 Music and Students with Special Needs
   2 hrs

   MUG 3X02 Choral or Instrumental Conducting and Materials*
   2 hrs

   MUE 3353 General Music Literature and Techniques*
   2 hrs

   MUE 4331 Secondary Choral Methods I*
   3 hrs

   MUE 4394 Seminar in Teaching Music*
   1 hr

   ESE 4943 Internship II*
   11 hrs

   Choose 4:

   MUE 2450 Woodwind Techniques I
   1 hr

   MUE 3451 Woodwind Techniques II
   1 hr

   MUE 2460 Brass Techniques I
   1 hr

   MUE 3461 Brass Techniques II
   1 hr

   MUE 2470 Percussion Techniques I
   1 hr

   MUE 2471 Percussion Techniques II
   1 hr

   MUE 2440 String Techniques
   1 hr

7. Internship

   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 and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers will be accepted).
   - Possess minimum overall GPA of 2.5
   - Possess minimum specialization GPA of 2.5
   - Possess minimum professional preparation 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)

   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 I)
   - Completion of all music methods and techniques courses
   - Completion of all General Education and Common Program courses

   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.

   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.

8. Special Non-Course Requirements

   Note: Contact the Music Education Advisor for details.

   Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third
Admission:
- 10. Foreign Language Requirements (0-8 hrs)
  - (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 one of the Florida Educator Accomplished Practices. Consult with the Music Education Advisor 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 I.
- 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.

Advising
- Consult with the music education advisor for course selection.

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.

9. 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.
- Computer competency is met through MUE 3693 Technology in Music Education.
- 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.

10. Foreign Language Requirements (0-8 hrs)

Admission: 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

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 36 hours of course work must be completed in residency at UCF

- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

12. Total Semester Hours Required 134 hrs

Related Programs: Music, Theatre

Related Minors: Music, Theatre

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 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.

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.

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 Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

Suggested Plan of Study:
Examples given shows a student majoring in Bachelor of Music Education in Instrumental, Choral, and Elementary tracks. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A – Instrumental Program K–12

Freshman
- Fall: MUS 1010 Music Forum 0
- Spring: MUS 1010 Music Forum 0

Sophomore
- Fall: MUS 1010 Music Forum 0
- Spring: MUS 1010 Music Forum 0

Junior
- Fall: MUS 1010 Music Forum 0
- Spring: MUS 1010 Music Forum 0

Total 15  Total 16

Take General Knowledge Test

Apply for Professional Program

UA Degree Programs

221
UCF Degree Programs

Senior

Fall
ESE 3940 Internship I 0
MUS 3333 Music Learning Theory & Assess. 3
GEP 3
MUE 4311 Elem. School Music Methods 2
TSL 4080 Teaching LEP Children 3
CMENC 0
CMENC 0

Total 8

Spring
ESE 4943 Internship II 11
MUE 4394 Seminar in Music Teaching 1
GEP 3
MUE XXXX Techniques 1
MUT 2125 Music Theory & Musicianship 4
MVX 2112 Class Piano III 0
MUK 2111 Music History and Literature I 0
MVX 242X Performance II 2
MUK XXXX Ensemble 1
MUE XXXX Techniques 1
CMENC/Schools 0
CMENC/Schools 0

Total 16

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Program B – Choral Program K–12

Freshman

Fall
GEP 3
GEP 3
EDF 2005 Intro to the Teaching Prof 3
MVX 141X Performance I 2
MUN XXXX Ensemble 1
MUT 1121 Music Theory & Musicianship 4
MVK 1111 Class Piano I 0
MUS 1250 IPA for Singers 1
MUS 1010 Music Forum 0
CMENC/Schools 0

Total 17

Spring
GEP 3
GEP 3
MUL 2014 Intro to Music Literature 3
MVX 141X Performance I 2
MUK XXXX Ensemble 1
MUT 1122 Music Theory & Musicianship 4
MVK 1112 Class Piano II 0
MUS 1010 Music Forum 0
CMENC/Schools 0
CMENC/Schools 0

Total 16

Take General Knowledge Test

Sophomore

Fall
MUS 1010 Music Forum 0
GEP 3
MUE XXXX Techniques 1
MUT 2125 Music Theory & Musicianship 4
MVK 2122 Class Piano IV 1
MVK 3211 Music History and Literature I 3
MVX 242X Performance II 2
MUN XXXX Ensemble 1
CMENC/Schools 0
CMENC/Schools 0

Total 17

Spring
MUS 1010 Music Forum 0
GEP 3
MUE XXXX Techniques 1
MUT 2125 Music Theory & Musicianship 4
MVX 2122 Class Piano IV 1
MUK 2111 Music History and Literature I 0
MVX 242X Performance II 2
MUK XXXX Ensemble 1
CMENC/Schools 0
CMENC/Schools 0

Total 16

Take General Knowledge Test

Junior

Fall
MUS 1010 Music Forum 0
MUG 3104 Basic Conducting 2
MUE 4311 Elem. School Music Methods 2
EDG 4233 Teaching Strategies and Cl. Mgmt. 3
EDF 4603 Critical Analysis of Ethical… 3
MVX 343X Performance III 2
MUE 3333 Music Learning Theory & Assess. 3
MUE XXXX Techniques 1
EDF 4323 Teaching Strategies and Cl. Mgmt. 3
RED 4043 Content Reading 3

Total 16

Spring
MUS 1010 Music Forum 0
MUG 3104 Basic Conducting 2
MUE 4311 Elem. School Music Methods 2
EDG 4233 Teaching Strategies and Cl. Mgmt. 3
EDF 4603 Critical Analysis of Ethical… 3
MVX 343X Performance III 2
MUE 3333 Music Learning Theory & Assess. 3
MUE XXXX Techniques 1
EDF 4323 Teaching Strategies and Cl. Mgmt. 3
RED 4043 Content Reading 3

Total 16

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Program C – Elementary Program

Freshman

Fall
GEP 3
GEP 3
EDF 2005 Intro to the Teaching Prof 3
MVX 141X Performance I 2
MUN XXXX Ensemble 1
MUT 1121 Music Theory & Musicianship 4
MVK 1111 Class Piano I 0
MUE 2346 Vocal Techniques 1
MUS 1010 Music Forum 0
CMENC/Schools 0
CMENC/Schools 0

Total 17

Spring
GEP 3
GEP 3
MUL 2014 Intro to Music Literature 3
MVX 141X Performance I 2
MUK XXXX Ensemble 1
MUT 1122 Music Theory & Musicianship 4
MVK 1112 Class Piano II 0
MUS 1010 Music Forum 0
CMENC/Schools 0
CMENC/Schools 0

Total 16

Take General Knowledge Test

Sophomore

Fall
MUS 1010 Music Forum 0
GEP 3
MUE XXXX Techniques 1
MUT 2125 Music Theory & Musicianship 4
MVX 2122 Class Piano IV 1
MUK 2111 Music History and Literature I 0
MVX 242X Performance II 2
MUK XXXX Ensemble 1
MUE XXXX Techniques 1
CMENC/Schools 0
CMENC/Schools 0

Total 16

Spring
MUS 1010 Music Forum 0
GEP 3
MUE XXXX Techniques 1
MUT 2125 Music Theory & Musicianship 4
MVX 2122 Class Piano IV 1
MUK 2111 Music History and Literature I 0
MVX 242X Performance II 2
MUK XXXX Ensemble 1
MUE XXXX Techniques 1
CMENC/Schools 0
CMENC/Schools 0

Total 16

Take General Knowledge Test

Junior

Fall
ESE 3940 Internship I 3
MUE 3333 Music Learning Theory & Assess. 3
GEP 3
MUE 4311 Elem. School Music Methods 2
TSL 4080 Teaching LEP Children 3
CMENC 0
CMENC 0

Total 16

Spring
ESE 4943 Internship II 11
MUE 4394 Seminar in Music Teaching 1
GEP 3
MUE 4333 Secondary Choral Methods I or 3
TSL 4080 Teaching LEP Children 3
CMENC 0
CMENC 0

Total 15

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

MUSIC – JAZZ STUDIES TRACK (B.M.)

College of Arts and Humanities
Department of Music, CNH 205
http://www.music.cah.ucf.edu/
E-mail: musiccad@mail.ucf.edu
Program Coordinator: J. Rupert, 407-823-5411,
E-Mail: jurpert@mail.ucf.edu; Academic Advisor: Kirk Gay,
407-823-5968; Fax 407-823-3378; E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon
  completion of a successful audition. Go to
  http://music.ucf.edu/admissions_audition.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 MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of
  at least 3.0.

This review is a pre-requisite for Performance level III.

Degree Requirements

- Prior to attending the first class as a music major at UCF, all
  students must take a keyboard placement examination to determine
  the appropriate level of class piano. Go to
  http://music.ucf.edu/ to see the class piano requirements.
Students who change degree programs and select this major must adopt the most current catalog.

At least 65 hours of credit must be earned in music courses

Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department

Performance students must present two faculty-approved public recitals

Students should consult with a departmental advisor for course selection

Courses designated in 1 (General Education Program) are usually completed throughout four years of study

1. UCF General Education Program (36 hrs)

   (see General Education program for detailed information)

   A. Communication Foundations
      Select ENC 1101 and ENC 1102
      9 hrs
      Prefer SPC 1608

   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list
      3 hrs
      Select one from MUL 2016 Evolution of Jazz
      3 hrs
      Select one course from 1.B.1 or 1.B.2 list
      3 hrs

   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      3 hrs
      (may substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
      3 hrs

   D. Social Foundations
      6 hrs

   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (24 hrs)

   MUT 1121 Music Theory and Musicianship I
   MUT 1122 Music Theory and Musicianship II
   MUT 2126 Music Theory and Musicianship III
   MUT 2127 Music Theory and Musicianship IV
   MUN 3713 Jazz Ensemble (four semesters)
   MVK 1111 Class Piano I
   MVK 1112 Class Piano II
   MVK 2121 Class Piano III
   MVK 2122 Class Piano IV
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (33 hrs)

   MUL 2014 Intro to Music History and Literature
   MUS 2360C Intro to Music Technology
   MUS 1010 Music Forum (eight semesters)
   MUL 2016 Evolution of Jazz
   MUT 3170 Jazz Theory I
   MUT 3171 Jazz Theory II
   MUT 3923 Jazz Workshop (four semesters)
   MUS 4520 Music Business & Industry
   MUS 4814 Jazz Styles and Analysis
   MUS 3953 Recital Performance I
   MUS 4954 Recital Performance II
   MUH 3211 Music History & Literature I
   MUH 2212 Music History & Literature II

4. Specialty Requirements (Choose one): (27 hrs)

   Trumpet
   MVB 1411 Trumpet I (two semesters)
   MVB 2421 Trumpet II (two semesters)
   MVB 3431 Trumpet III (two semesters)
   MVB 4441 Trumpet IV (two semesters)
   Restricted Electives* 5 hrs

   Trombone
   MVB 1413 Trombone I (two semesters)
   MVB 2423 Trombone II (two semesters)
   MVB 3433 Trombone III (two semesters)
   MVB 4443 Trombone IV (two semesters)
   Restricted Electives* 5 hrs

   Saxophone
   MVW 1415 Saxophone I (two semesters)
   MVW 2425 Saxophone II (two semesters)
   MVW 3435 Saxophone III (two semesters)
   MVW 4445 Saxophone IV (two semesters)
   Restricted Electives* 5 hrs

   Jazz Piano
   MVJ 1010 Jazz Piano I (two semesters)
   MVJ 2220 Jazz Piano II (two semesters)
   MVJ 3230 Jazz Piano III (two semesters)
   MVJ 4240 Jazz Piano IV (two semesters)
   MVK 1211 Secondary (classical) Piano (two semesters)
   Restricted Electives* 3 hrs

   Jazz Bass
   MVJ 1214 Jazz Bass I (two semesters)
   MVJ 2224 Jazz Bass II (two semesters)
   MVJ 3234 Jazz Bass III (two semesters)
   MVJ 4244 Jazz Bass IV (two semesters)
   MVJ 1211 Secondary (classical) Bass (two semesters)
   Restricted Electives* 3 hrs

   Jazz Guitar
   MVJ 1213 Jazz Guitar I (two semesters)
   MVJ 2223 Jazz Guitar II (two semesters)
   MVJ 3233 Jazz Guitar III (two semesters)
   MVJ 4243 Jazz Guitar IV (two semesters)
   MVJ 1216 Secondary (classical) Guitar (two semesters)
   Restricted Electives* 3 hrs

   Jazz Drum Set
   MVJ 1219 Jazz Drums I (two semesters)
   MVJ 2229 Jazz Drums II (two semesters)
   MVJ 3339 Jazz Drums III (two semesters)
   MVJ 4349 Jazz Drums IV (two semesters)
   MVP 1211 Secondary Percussion
   Restricted Electives* 3 hrs

   *Restricted Electives
   Any secondary performance course not in area of major instrument or
   Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Departmental Exit Requirements

   Earn a grade of "C" (2.0) or better in each Music course
   Computer Competency met by MUS 2360C, or departmental examination

6. Foreign Language Requirements (0-8 hrs)

   Admission: 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

7. Electives (variable)

   Select primarily from upper level courses. May be outside of the department.

8. University Minimum Exit Requirements

   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre, Digital Media

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.

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 Fee
Full-time Student ...........................................$90 per term
Part-time Student ............................................$45 per term

Suggested Plan of Study:
Example given shows a student majoring in Jazz Studies. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.
## UCF Degree Programs

### Program A: Jazz Trumpet, Trombone, Saxophone

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>MUT 1222 Music Theory and Musicianship II</td>
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<td>MUN 3713 Jazz Ensemble</td>
<td>MUN 3713 Jazz Ensemble</td>
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<tr>
<td>MVX 141X Performance I</td>
<td>MVX 141X Performance I</td>
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<td>MUS 1112 Class Piano II</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUL 2014 Intro to Music History and Literature</td>
<td>MUS 2306C Intro to Music Technology</td>
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<td>GEP E.1. Science Foundation</td>
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<tbody>
<tr>
<td>Fall</td>
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<td>SPX 300 Fundamentals of Oral Communication</td>
<td>STA 100C Basic Statistics Using Excel</td>
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<td>MVX 242X Performance II</td>
<td>MVX 242X Performance II</td>
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<tr>
<td>MVK 2112 Class Piano III</td>
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</tr>
<tr>
<td>MUT 3170 Jazz Theory I</td>
<td>MUT 3171 Jazz Theory II</td>
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</tr>
<tr>
<td>MUG 1106 Finite Mathematics (GEP C.1.)</td>
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</tbody>
</table>

### Program B: Jazz Piano, Guitar, Bass, Drum Set

**Freshman Year**

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</table>

### Sophomore Year                           |                                            |
| Fall                                     | Spring                                    |
| SPX 300 Fundamentals of Oral Communication | STA 100C Basic Statistics Using Excel      |
| MUT 2126 Music Theory and Musicianship III | MUT 2122 Music History and Literature I    |
| MUN 3713 Jazz Ensemble                    | MUN 3713 Jazz Ensemble                     |
| MVX 242X Performance II                   | MVX 242X Performance II                    |
| MVK 2112 Class Piano III                  | MVK 2112 Class Piano III                   |
| MUT 3170 Jazz Theory I                    | MUT 3171 Jazz Theory II                    |
| MUS 1010 Music Forum                      | MUS 1010 Music Forum                       |
| MUG 1106 Finite Mathematics (GEP C.1.)    |                                           |

### Junior Year

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<th>Fall</th>
<th>Spring</th>
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<tr>
<td>GEP B.2. Cultural &amp; Historical Foundation</td>
<td>STA 100C Basic Statistics Using Excel</td>
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<td>MUL 2016 Evolution of Jazz</td>
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</table>

### Sophomore Year                           |                                            |
| Fall                                     | Spring                                    |
| SPC 3000 Fundamentals of Oral Communication | STA 100C Basic Statistics Using Excel    |
| MUT 2126 Music Theory and Musicianship III | MUT 2122 Music History and Literature I  |
| MUN 3713 Jazz Ensemble                    | MUN 3713 Jazz Ensemble                     |
| MVX 141X Performance I                    | MVX 141X Performance I                    |
| MUS 1111 Class Piano I                    | MUS 1112 Class Piano II                   |
| MUT 1010 Music Forum                      | MUT 1010 Music Forum                       |
| MUG 1106 Finite Mathematics (GEP C.1.)    |                                           |

### Junior Year

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### Senior Year

<table>
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<th>Fall</th>
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<tbody>
<tr>
<td>GEP D.1. Social Foundation</td>
<td>ENC 1102 Music Theory and Musicianship II</td>
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## MUSIC – MUSIC COMPOSITION TRACK (B.M.)

**College of Arts and Humanities**

**Department of Music, CNH 205**

http://www.music.cah.ucf.edu/

E-mail: musicaud@mail.ucf.edu

Program Coordinator: J. Batzner, 407-823-2684, E-mail: jbatzner@mail.ucf.edu; Academic Advisor: Kirk Gay, 407-823-5968; Fax: 407-823-3378, E-mail: kgay@mail.ucf.edu

### Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.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.
- 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.

### Professional Sequence Entrance Review

Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:

- Approval of composition portfolio
- Completion of Composition I and II
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Composition level III.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a department advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

### 1. UCF General Education Program

(see General Education program for detailed information)

- A. Communication Foundations
  - Select ENC 1101 and ENC 1102  9 hrs
  - Prefer SPC 10 6 hrs

- B. Cultural and Historical Foundations
  - Select one course from 1.B.1 list  3 hrs
  - Select MUG 3121 History and Literature II  3 hrs
  - Select one course from 1.B.1 or 1.B.2 list  3 hrs

- C. Mathematical Foundations
  - Prefer MGF 1106 Finite Mathematics or MGF 1107  3 hrs
  - (may substitute a higher level math)
  - Prefer STA 100C Statistics Using Excel  3 hrs

- D. Social Foundations  6 hrs
- E. Science Foundations  6 hrs

### 2. Common Program Prerequisites

(32 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
- MUN XXX Major Ensemble (four semesters)  4 hrs

(Piano students take MUN 3453, guitar students take MUN 3483)
- MVX 141X Performance I (two semesters)  4 hrs
Suggested Plan of Study:
Example given shows a student majoring in Music Composition. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year
Fall 16 hrs Spring 17 hrs
MUC 1101C Composition I 2 MUG 3104 Basic Conducting 2
MUS 1010 Music Forum 0 MGF 1106 Finite Mathematics (GEP C.1.) 3
MVK 2121 Class Piano III 1 MVK 2122 Class Piano IV 1
MUT 2126 Music Theory and Musicianship I 4 MUS 1010 Music Forum 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0

Sophomore Year
Fall 15 hrs Spring 16 hrs
MUT 1121 Music Theory and Musicianship I 4 MGF 1106 Finite Mathematics (GEP C.1.) 3
MUT 1122 Music Theory and Musicianship II 4 MUC 3104 Basic Conducting 2
MUC 3105C Composition III 3 MUS 1010 Music Forum 0
MUT 2126 Music Theory and Musicianship II 4 MUS 1010 Music Forum 0
MUT 2127 Music Theory and Musicianship III 4 MUS 1010 Music Forum 0
MUT 2127 Music Theory and Musicianship IV 4 MUS 1010 Music Forum 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0

Junior Year
Fall 16 hrs Spring 16 hrs
GEP B.2. Cultural & Historical Foundation 3 GEP B.2. Cultural & Historical Foundation 3
MUC 3211 Music History and Literature I 3 MUC 3211 Music History and Literature I 3
MUT 4571 20th Century Musical Analysis 3 MUT 4571 20th Century Musical Analysis 3
MUC 3105C Composition III 3 MUC 3105C Composition III 3
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0

Senior Year
Fall 13 hrs Spring 13 hrs
GEP E.2. Science Foundation 3 GEP E.2. Science Foundation 3
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUC 3/4XXX Restricted Electives 3 MUC 3/4XXX Restricted Electives 3

Total Semester Hours Required 120 hrs
Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre, Digital Media

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.

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

Equipment Fee
- Full-time Student ........................................... $90 per term
- Part-time Student ........................................... $45 per term

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
UCF Degree Programs

- 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 MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a prerequisite for Performance level III.

**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** (36 hrs)
   (see General Education program for detailed information)
   - **A. Communication Foundations**
     Select ENC 1101 and ENC 1102
     Prefer SPC 1608
     9 hrs
   - **B. Cultural and Historical Foundations**
     Select one course from 1.B.1 list
     Select MUH 3212 History and Literature II
     Select one course from 1.B.1 or 1.B.2 list
     3 hrs
   - **C. Mathematical Foundations**
     Select one course from 1.B.1 list
     Prefer STA 1060C and STA 1061C
     3 hrs
   - **D. Social Foundations**
     6 hrs
   - **E. Science Foundations**
     6 hrs

2. **Common Program Prerequisites** (32 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
   - **MUN XXXX**
     Major Ensemble (four semesters)
     4 hrs
   - **MXV 141X**
     Performance I (two semesters)
     4 hrs
   - **MXV 242X**
     Performance II (two semesters)
     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 Ensembles
     2 hrs
   - **MVX 343X**
     Performance III (two semesters)
     6 hrs
   - **MVX 444X**
     Performance IV (two semesters)
     8 hrs
   - **MUS 3953**
     Recital Performance I
     0 hrs
   - **MUS 4954**
     Recital Performance II
     0 hrs
   - **MUS 3453**
     Minor Ensembles
     (Piano students take MUN 3453, guitar students take MUN 3483)
     2 hrs
   - **MUS 3104**
     Basic Conducting
     2 hrs
   - **MUL 2014**
     Intro to Music History and Literature
     3 hrs
   - **MUS 2300C**
     Intro to Music Technology
     3 hrs
   - **MUS 310D**
     Music Program (six semesters)
     3 hrs
   - **MVX 343X**
     Performance III (two semesters)
     6 hrs
   - **MVX 444X**
     Performance IV (two semesters)
     8 hrs
   - **MUS 3953**
     Recital Performance I
     0 hrs
   - **MUS 4954**
     Recital Performance II
     0 hrs
   - **MUS 3453**
     Minor Ensembles
     2 hrs

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

3. **Core Requirements** (27 hrs)
   - **MUL 2014**
     Intro to Music History and Literature
     3 hrs
   - **MUS 2300C**
     Intro to Music Technology
     3 hrs
   - **MUS 310D**
     Music Program (seven semesters)
     3 hrs
   - **MVX 343X**
     Performance III (two semesters)
     6 hrs
   - **MVX 444X**
     Performance IV (two semesters)
     8 hrs
   - **MUS 3953**
     Recital Performance I
     0 hrs
   - **MUS 4954**
     Recital Performance II
     0 hrs
   - **MUS 3453**
     Minor Ensembles
     (Piano students take MUN 3453, guitar students take MUN 3483)
     2 hrs
   - **MUS 3104**
     Basic Conducting
     2 hrs
   - **MUL 3211**
     Music History and Literature I
     3 hrs
   - **MUL 3212**
     Music History and Literature II
     2 hrs

4. **Specialty Requirements (Choose One):** (22 hrs)
   - **Piano**
     - **MUL 3400**
       Piano Literature I
       2 hrs
     - **MUL 3401**
       Piano Literature II
       2 hrs
     - **MVK 4640**
       Piano Pedagogy I
       2 hrs
     - **MUN 3453**
       Piano Ensemble
       2 hrs
     - **Restricted Electives**
       9 hrs
   - **Guitar**
     - **MUL 4437**
       String Literature and Pedagogy
       3 hrs
     - **MUN XXXX**
       Guitar Ensemble
       2 hrs
     - **Restricted Electives**
       12 hrs
   - **Voice**
     - **MVS 1250**
       IPA for Singers
       1 hr
     - **MUS 3255**
       German and English Lyric Diction
       2 hrs
     - **MUS 3254**
       Italian and French Lyric Diction
       2 hrs
     - **MVV 4640**
       Voice Pedagogy I
       2 hrs
     - **MUS 3602**
       Song Literature
       3 hrs
     - **MUS XXXX**
       Major Ensembles
       2 hrs
     - **MUN XXXX**
       Minor Ensembles
       2 hrs
     - **MVX 4444**
       Woodwind Literature and Pedagogy
       3 hrs
     - **Restricted Electives**
       8 hrs
   - **Brass**
     - **MUN XXXX**
       Major Ensemble
       2 hrs
     - **MUN XXXX**
       Minor Ensemble
       4 hrs
     - **MUN 4443**
       Brass Literature and Pedagogy
       3 hrs
     - **Restricted Electives**
       8 hrs
   - **Percussion**
     - **MUN XXXX**
       Major Ensemble
       2 hrs
     - **MUN XXXX**
       Minor Ensemble
       4 hrs
     - **MUS 3463**
       Percussion Literature
       2 hrs
     - **MVP 3630**
       Percussion Pedagogy
       2 hrs
     - **Restricted Electives**
       7 hrs
   - **Strings**
     - **MUN XXXX**
       Major Ensemble
       2 hrs
     - **MUN XXXX**
       Minor Ensemble
       4 hrs
     - **MUN 4444**
       String Literature and Pedagogy
       3 hrs
     - **Restricted Electives**
       8 hrs
   - **Restricted Electives**
     3-15 hrs
   - Choose one MUT 3XXX or MUT 4XXX course
   - Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. **Special Non-Course Requirements**
   - **Major Ensemble Participation**
     - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band.
     - Four hours of Jazz Ensemble may be used as Major Ensemble credit.
     - Ensemble assignment is by the Ensemble directors.
     - Students must take Major Ensemble during each semester at UCF.
     - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

6. **Minor Ensemble Participation**
   - If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
   - If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
   - Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

7. **Departmental Exit Requirements**
   - Earn a grade of “C” (2.0) or better in each Music course.
   - Computer Competency met by MUS 2360C, or departmental examination.
Related Programs:

- Total Semester Hours Required: 120 hrs

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Music Education, Music (BA), Theatre

Related Minors: Music, Theatre, Digital Media

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.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes). For undergraduate programs are located at: http://www.oas.ucf.edu/ao/academic_learning_compacts.htm

Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

Suggested Plan of Study:

Example given shows a student majoring in Performance. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A: Strings, Woodwinds, Brass

Freshman Year

Fall

- ENC 1101 Composition I (GEP A.1.)
- MUT 1121 Music Theory and Musicianship I
- MUN XXXX Major Ensemble
- MVX 242X Performance II
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Spring

- ENC 1102 Composition II (GEP A.2.)
- MUT 1122 Music Theory and Musicianship II
- MUN XXXX Major Ensemble
- MVK 2121 Class Piano III
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Sophomore Year

Fall

- SPC 1608 Fundamentals Oral Comm (GEP A.3.)
- MUT 2126 Music Theory and Musicianship III
- MUN XXXX Major Ensemble
- MVK 1111 Class Piano I
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Spring

- ENC 1103 Composition (GEP A.1.)
- MUT 1123 Music Theory and Musicianship IV
- MUN XXXX Major Ensemble
- MVK 2122 Class Piano IV
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Junior Year

Fall

- GEP E.1. Cultural & Historical Foundation
- MUT 2124 Music History and Literature I
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Spring

- ENC 1104 Composition II (GEP A.2.)
- MUT 2125 Music History and Literature II
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Senior Year

Fall

- ENC 1105 Composition (GEP A.1.)
- MUT 2126 Music Theory and Musicianship I
- MUS 1010 Music Forum
- MUX 3/4XXX Restricted Electives
- MUX 3/4XXX Restricted Electives
- MUX 3/4XXX Restricted Electives

Spring

- ENC 1106 Composition II (GEP A.2.)
- MUT 2127 Music History and Literature I
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Program B: Percussion

Freshman Year

Fall

- ENC 1101 Composition I (GEP A.1.)
- MUT 1121 Music Theory and Musicianship I
- MUN XXXX Major Ensemble
- MVK 2121 Class Piano III
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Spring

- ENC 1102 Composition II (GEP A.2.)
- MUT 1122 Music Theory and Musicianship II
- MUN XXXX Major Ensemble
- MVK 2122 Class Piano IV
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Sophomore Year

Fall

- SPC 1608 Fundamentals Oral Comm (GEP A.3.)
- MUT 2126 Music Theory and Musicianship III
- MUN XXXX Major Ensemble
- MVK 2121 Class Piano III
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting

Spring

- ENC 1103 Composition (GEP A.1.)
- MUT 2127 Music History and Literature I
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Junior Year

Fall

- ENC 1104 Composition II (GEP A.2.)
- MUT 2128 Music History and Literature II
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Spring

- ENC 1105 Composition (GEP A.1.)
- MUT 2129 Music History and Literature III
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Program C: Piano

Freshman Year

Fall

- ENC 1101 Composition I (GEP A.1.)
- MUT 1121 Music Theory and Musicianship I
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Spring

- ENC 1102 Composition II (GEP A.2.)
- MUT 1122 Music History and Literature I
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Sophomore Year

Fall

- ENC 1103 Composition (GEP A.1.)
- MUT 1123 Music Theory and Musicianship II
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

Spring

- ENC 1104 Composition II (GEP A.2.)
- MUT 1124 Music History and Literature II
- MUS 1010 Music Forum
- MUG 3104 Basic Conducting
- STA 100C Basic Statistics MS Excel (GEP C.2)

UCF Degree Programs

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UCF Degree Programs

Junior Year

Fall 15 hrs
GEP B.2. Cultural & Historical Foundation 3
MUS 3211 Music History and Literature 3
MUS 3450 Piano Literature II 2
MUT 34XXX 3
MVP 3431 Piano III 3
MUS 1010 Music Forum 0
MUN 3453 Piano Ensemble 1

Spring 15 hrs
MUS 34XXX Restricted Electives 3
MUT 34XXX Piano Literature II 2
MVP 3431 Piano III 3
MUS 1010 Music Forum 0
MUN 3453 Piano Ensemble 1
MUS 3953 Recital Performance I 0

Senior Year

Fall 15 hrs
GEP D.1. Social Foundation 3
MVP 4441 Piano IV 4
MUS 1010 Music Forum 0
MUS 1014 Guitar I 1
MUS 1011 Class Piano I 1
MUS 1011 Class Piano II 1
MUS 1010 Music Forum 0
MVP 3431 Voice II 3

Spring 14 hrs
MUS 34XXX Restricted Electives 3
MUT 34XXX Piano Literature II 2
MVP 3431 Piano III 3
MUS 1010 Music Forum 0
MUN 3453 Piano Ensemble 1
MUS 3953 Recital Performance I 0

Program D: Guitar

Freshman Year

Fall 14 hrs
ENC 1101 Composition I (GEP A.1.) 3
MUT 1121 Music Theory and Musicianship II 4
MUS 3457 Guitar Ensemble I 1
MVS 4146 Guitar I 2
MVK 1111 Class Piano I 1
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3

Spring 17 hrs
ENC 1102 Composition II (GEP A. 2.) 3
MUT 1122 Music Theory and Musicianship II 4
MUS 3457 Guitar Ensemble II 1
MUS 4146 Guitar II 2
MVK 1112 Class Piano II 1
MUS 1010 Music Forum 0
MUS 2660C Intro to Music Technology 3
GEP E.1. Science Foundation 3

Sophomore Year

Fall 16 hrs
SPC 1003 Fundamentals Oral Comm (GEP A.3.) 3
MUT 2126 Music Theory and Musicianship III 4
MUS 3457 Guitar Ensemble I 1
MVS 4248 Guitar I 2
MVK 2121 Class Piano III 1
MUS 1010 Music Forum 0
MUG 1104 Basic Conducting 3
STA 100X Basic Statistics/MS Excel (GEP C.2.) 3

Spring 14 hrs
GEP B.1. Cultural & Historical Foundation 3
MUT 2127 Music Theory and Musicianship IV 4
MUS 3457 Guitar Ensemble II 1
MUS 4248 Guitar II 2
MVK 2122 Class Piano IV 1
MUS 1010 Music Forum 0
MUG 1105 Finite Mathematics (GEP C.1.) 3
Professional Service Entrance Review

Junior Year

Fall 16 hrs
GEP B.2. Cultural & Historical Foundation 3
MUS 3211 Music History and Literature 3
MUS 3450 Piano Literature II 2
MUT 4571 20th Century Musical Analysis 3
MVS 3438 Guitar III 3
MUS 1010 Music Forum 0
MUS 3457 Guitar Ensemble I 1

Spring 13 hrs
MUS 34XXX Restricted Electives 3
MUT 34XXX Piano Literature II 2
MVP 3431 Piano III 3
MUS 1010 Music Forum 0
MUN 3453 Piano Ensemble 1
MUS 3953 Recital Performance I 0

Senior Year

Fall 16 hrs
GEP D.1. Social Foundation 3
MVS 4346 Guitar IV 4
MUS 1010 Music Forum 0
GEP E.2. Science Foundation 3
MUS 3457 Guitar Ensemble I 1
MUS 34XXX Restricted Electives 3
Free Elective 2

Spring 14 hrs
GEP D.2. Social Foundation 3
MUS 4346 Guitar IV 4
MUS 1010 Music Forum 0
MUS 4954 Recital Performance II 0

Program E: Voice

Freshman Year

Fall 15 hrs
ENC 1101 Composition I (GEP A.1.) 3
MUT 1121 Music Theory and Musicianship I 4
MUS XXXX Major Ensemble 1
MVP 4441 Voice I 4
MUS 1250 IPA for Singers 1
MUS 3255 Italian and French Lyric Diction 2
MVK 2121 Class Piano III 1
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3

Spring 16 hrs
ENC 1102 Composition II (GEP A. 2.) 3
MUT 1122 Music Theory and Musicianship II 4
MUS XXXX Major Ensemble 1
MVP 4441 Voice II 4
MUS 1250 IPA for Singers 1
MUS 3255 Italian and French Lyric Diction 2
MVK 2122 Class Piano IV 1
MUS 1010 Music Forum 0
MUS 2650C Intro to Music Technology 3

Sophomore Year

Fall 15 hrs
MGF 1106 Finite Mathematics (GEP C.1.) 3
MUT 2126 Music Theory and Musicianship III 4
MUS XXXX Major Ensemble 1
MVP 2421 Voice II 3
MVK 2121 Class Piano III 1
MUS 1010 Music Forum 0
MUS 3254 Italian and French Lyric Diction 2
MVK 2122 Class Piano IV 1
MUS 1010 Music Forum 0

Spring 17 hrs
GEP B.1. Cultural & Historical Foundation 3
MUT 2127 Music Theory and Musicianship IV 4
MUS XXXX Major Ensemble 1
MVP 2421 Voice II 3
MVK 2122 Class Piano IV 1
MUS 1010 Music Forum 0
MUG 2104 Basic Conducting 3

NURSING (B.S.N.)

A. BASIC PROGRAM

(For individuals who are not Registered Nurses)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu/
E-mail: ucnurse@mail.ucf.edu
Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

Admission Requirements

Limited Access

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 deadline.
- All applicants must have a minimum overall GPA of 3.0.
- At least seven (7) of the nine (9) required prerequisites (Chemistry with Lab, and at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.
- *Chemistry with Lab (required with grade of B- or better)
- Group A: [grade of B- (2.75) or better]
- *Microbiology with Lab
- *Anatomy with Lab
- *Physiology with Lab (or A&P I, II)
- Group B [grade of C (2.0) or better]
- *Sociology
- *Psychology
- *Developmental psychology
- *Nutrition
- *Statistics

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 general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students that transfer with an AA degree and are pursuing a BS degree must meet the university foreign language admission requirements for graduation.

All applicants must complete a mandatory information session, online or in person, prior to submitting the application.

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 an advisor.
UCF Degree Programs

1. UCF General Education Program (36+1 hrs)
   - Communication Foundations (SPC 1608 preferred) 9 hrs
   - Cultural Historical Foundations 9 hrs
   - Mathematical Foundations 6 hrs
   - MAC 1105
   - Social Foundations 6 hrs
   - A. Communication Foundations (SPC 1608 preferred) 9 hrs
     - UCF General Education Program (36+1 hrs)

2. Common Program Prerequisites (21 hrs)
   - PSY 2012 General Psychology** GEP
   - SYG 2000 Sociology** 3 hrs
   - MCB 2040C Health Microbiology (S**) w/lab 4 hrs
   - CHM 1032/L General Chemistry and lab** (S**) GEP
   - ZOO 3733C Human Anatomy** (S**) w/lab 4 hrs
   - PCB 3703C Human Physiology** (S**) w/lab 4 hrs
   - STA 2014C Principles of Statistics** GEP
   - or 2023
   - SOW 3104 Assessing Human Development 3 hrs
   - or DEP 2004 Developmental Psychology 3 hrs
   - HUN 3011 Human Nutrition 3 hrs

   *May take Anatomy and Physiology sequence of six-eight total credits.
   **Also meets General Education Requirements. The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry II).
   *** "S" indicates science prerequisite.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (65 hrs)
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assess Lab 2 hrs
   - NUR 3825 Role of Professional Nurse 2 hrs
   - NUR 3022C Essentials of Nursing Practice 2 hrs
   - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   - NUR 3022L Essentials of Nursing Practice Lab 1 hs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 3634L Community Health Nursing Clinical 2 hrs
   - NUR 3125 Pathophysiology for Nurses 3 hrs
   - NUR 3145 Pharmacology for Nurses 3 hrs
   - 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 3165 Nursing Research 3 hrs
   - NUR XXXX Nursing Elective 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4227 Nursing Care of the Adult II 4 hrs
   - NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
   - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs
   - NUR 4828 Leadership, Management and Role Transition 3 hrs
   - NUR 4257 Introduction to Critical Care Nursing 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4637L Public Health Nursing Clinical 1 hr
   - NUR 4945L Nursing Practicum 4 hrs

   Any variation from the above must be approved by the College of Nursing.

4. Upper Division Restricted Electives (3 hrs)
   - Nursing Elective:
     - Any College of Nursing elective approved by advisor

5. Departmental Continuation and 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

6. Electives: none

7. Foreign Language Requirements (0-8 hrs)
   - 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. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper-division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of Summer credit (if applicable)

   Total Semester Hours Required: 122 hrs

Related Programs: Health Services Administration, Social Work, all health programs
Related Minors: Aging Studies Certificate, Psychology, Health Sciences, Health Services Administration

Transfer Notes:
Examples of Community College Equivalent Courses - Prerequisites
- General Psychology (PSY X012) or any General Psychology course
- General Sociology (SYG 2000) or any Intro to Sociology course
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)
- Human Anatomy and Physiology I & II (BSC 2093/2094) or (BSC X085/X086) General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course
- Human Nutrition with therapeutic nutrition focus

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry II).

Honors
Honors Option Requires:
- Completion of a three credit directed readings course
- Completion of a three credit thesis course
- Open to students with a minimum 3.5 GPA in Nursing
- Minimum cumulative UCF 3.2 GPA
- Completion of 60 semester hours of college credit, including 12 graded upper-division hours at UCF

Students that transfer with an AA degree and will be pursuing a BS degree must meet the university foreign language admission requirements for graduation.
NURSING (B.S.N.)

B. RN TO BSN PROGRAM

(Completion program for individuals who are licensed RNs)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.). Courses are available online and some courses may be offered face-to-face as well. For more information, see http://distributed.ucf.edu/home.

Admission Requirements

Limited Access

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 college, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS).
- Completion of all sections of CLAST (or Exempt).
- A minimum overall undergraduate 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.

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 College or other university.

- 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: 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

A. Communication Foundations

9 hrs

B. Cultural Historical Foundations

9 hrs

C. Mathematical Foundations

6 hrs

1. Select MAC 1105
2. Select STA 2014C or STA 2023

D. Social Foundations

6 hrs

Select SYG 2000 or PSY 2012*
Select one: ECO 2013 or ECO 2023 or POS 2041

E. Science Foundations**

7 hrs

Select BSC 2010C (4)
Select SYG 2000

**Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites

(21 hrs)

PSY 2012 General Psychology**

GE

SYG 2000 Sociology**

3 hrs

MCB 2004C Health Microbiology

4 hrs

CHM 1032 General Chemistry**

GEP

CHM 1032L General Chemistry Lab

GEP

ZO0 3733C Human Anatomy**

4 hrs

PCB 3703C Human Physiology

4 hrs

STA 2014C or STA 2023 Principles of Statistics**

GEP

SOW 3104 Assessing Human Development

3 hrs

or DEP 2004 Developmental Psychology

3 hrs

HUN 3011 Human Nutrition

3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements; Applicants should see UCF Nursing Advisor for possible course substitutions.

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

3. Core Requirements

(24 hrs)

NUR 3005 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 3165L Nursing Research Lab

3 hrs

NUR 3325 Nursing Care of the Adult I

3 hrs

NUR 3325L Nursing Care of the Adult I Clinical

2 hrs

NUR 3345 Nursing Care of Families

3 hrs

NUR 3345L 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 Nursing Clinical

2 hrs

*May be met by Validation

Upper Division Credit**

27 hrs

NUR 3028 Essentials of Nursing Practice

2 hrs

NUR 3028L Essentials of Nursing Practice Lab

1 hrs

NUR 302L Nursing Care of the Adult I

3 hrs

NUR 3025L Nursing Care of the Adult I Clinical

2 hrs

NUR 3045L 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 Nursing Clinical

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

Equipment Fee
- Full-time Student: $50 per term
- Part-time Student: $25 per term

Sample Plan of Study (assuming general education, foreign language, and nursing pre-requisites are complete)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester I</td>
<td>NUR 305</td>
<td>Community Health</td>
<td>3</td>
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<tr>
<td>Semester II</td>
<td>NUR 305</td>
<td>Community Health</td>
<td>3</td>
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<td>Semester III</td>
<td>NUR 437</td>
<td>Nursing Elective 1</td>
<td>3</td>
</tr>
<tr>
<td>Semester IV</td>
<td>NUR 428 Leadership</td>
<td>Community Health</td>
<td>2</td>
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<tr>
<td></td>
<td>NUR 4XX (Nursing Elective 2)</td>
<td>Practicum</td>
<td>4</td>
</tr>
</tbody>
</table>

Progression requirements:
Prior to NUR 305: RN status or eligible to take NCLEX.
Prior to NUR 3156: Complete NUR 305 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing
- Admission to the nursing program
- Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS)
- Complete CLAST (or exempt)
- Complete foreign language admission requirement

Related Programs: Health Services Administration, Social Work, All health programs
Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

NURSING (B.S.N.)

C. BACHELOR OF SCIENCE IN NURSING (B.S.N.) OPTION

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

D. RN TO MSN OPTION

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

E. AS TO BSN TRACK

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

F. SCC/UCF ASN to BSN enrollment option

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu

SCC/UCF Concurrent Track Coordinator: Susan Ricci

Program Description
A partnership between Seminole Community College (SCC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. 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 Seminole Community College Nursing Program and UCF are invited to apply to this SCC/UCF enrollment option. Upon invitation, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first year of nursing at SCC and must progress according to a designated plan of study.

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 SCC ASN program.
- An AA degree from a Florida 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 SCC nursing programs - at time of application.
- Completed all sections of CLAST (or exempt).

Students not yet admitted to UCF must make application and be accepted by the university. 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the 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 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.
UCF Degree Programs

- 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 (36+1 hrs)
   - A. Communication Foundations
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
     - 1. MAC 1105 (preferred)
   - 2. Select STA 2014C or STA 2023
   - D. Social Foundations
     - Select SYG 2000 or PSY 2012*
   - E. Science Foundations:**
     - Select BSC 2010C (4)
     - Select CHM 1032 (3)

   *One of these courses is required to meet General Education requirements, but both are required program prerequisites.

   **Science Foundation is six credit hours for General Education Program. However, the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)
   - PSY 2012 General Psychology**
   - SYG 2000 Sociology**
   - MCB 2004C Health Microbiology
   - CHM 1032/L General Chemistry**
   - ZOO 3733C Human Anatomy**
   - PCB 3703C Human Physiology
   - STA 2014C or STA 2023 Principles of Statistics**
   - SOW 2104 Assessing Human Development or or DEP 2004 Developmental Psychology
   - HUN 3011 Human Nutrition

   *May take Anatomy and Physiology sequence of six-eight total credits.

   **Also meets General Education Requirements;

   Applicants should see a UCF Nursing Advisor for possible course substitutions.

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core UCF Requirements (25 hrs)
   - NUR 3806 Professional Socialization in Nursing
   - NUR 3805 Dimensions of Professional Nursing Practice
   - NUR 306S Health Assessment
   - NUR 306L Health Assessment Lab
   - NUR 3165 Nursing Research
   - NUR 3634 Community Health Nursing
   - NUR 4828 Leadership, Management and Role Transition
   - NUR 4837 Health Care Issues, Policy, & Economics
   - NUR 4637 Public Health Nursing
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs

   Upper Division Credit* (27 hrs)
   - NUR 3028 Essentials of Nursing Practice
   - NUR 3028L Essentials of Nursing Practice Lab
   - NUR 3755L Essentials of Nursing Practice Clinical
   - NUR 3225 Nursing Care of the Adult I
   - NUR 3225L Nursing Care of the Adult I Clinical
   - NUR 3445 Nursing Care of Families
   - NUR 3445L Nursing Care of Families Clinical
   - NUR 4227 Nursing Care of the Adult II
   - NUR 4227L Nursing Care of the Adult II Clinical
   - NUR 4535 Psychiatric Mental Health Nursing
   - NUR 4535L Psychiatric Mental Health Nursing Clinical

   *May be met by validation

4. Upper Division Restricted Elective (6 hrs)
   - NUR XXXX Any two upper division nursing electives

5. 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

6. Electives (variable to meet degree requirements)

7. Foreign Language Requirements (0-8 hrs)
   - 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. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

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 Fee
- Full-time Student ........................................... $50 per term
- Part-time Student ............................................ $25 per term

Sample Plan of Study (Junior Year UCF)

While Enrolled in SCC Associate of Science in Nursing Program

Semester I
- NUR 3806 1
- NUR 3065 2
- NUR 3065L 1
- NUR 3165 3
- NUR 4837 1
- NUR 4828 3
- NUR XXXX (Nursing Elective 1) 3

Semester II
- NUR 3806 1
- NUR 3065 2
- NUR 3065L 1
- NUR 3165 3
- NUR 3634 3
- NUR 4837 3
- NUR 4828 Leadership 3
- NUR 4604L Practicum 4

Semester III
- NUR 3806 1
- NUR 3065 2
- NUR 3065L 1
- NUR 3165 3
- NUR 3634 3
- NUR 4837 3
- NUR 4828 Leadership 3
- NUR 4604L Practicum 4

Program Academic Learning Compacts (student learning outcomes)

ORGANIZATIONAL COMMUNICATION (B.A.)

See Interpersonal/Organizational Communication

PHILOSOPHY (B.A.)

College of Arts and Humanities

Philosophy Department, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu

Contact: Don Jones or Jennifer Mundale, 407-823-2273;
Fax: 407-823-6658

Admission Requirements

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 (36 hrs)
   - A. Communication Foundations

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<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>E. Being and Knowing</td>
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<tr>
<td>PHI 4500 Metaphysics</td>
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<tr>
<td>PHI 4341 Ways of Knowing</td>
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<tr>
<td>PHI 4330 D较大的 Knowledge</td>
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<tr>
<td>PHI 3700 Philosophy of Religion</td>
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<td>PHI 4450 Philosophy of Science</td>
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<td>PHI 3320 Philosophy of Mind</td>
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<tr>
<td>PHI 3451 Philosophy of Psychology</td>
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<tr>
<td>PHI 4420 Philosophy of Social Science</td>
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<tr>
<td>PHI 3323 Minds and Machines</td>
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<td>PHP 4762 Phenomenology</td>
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<tr>
<td>PHI 4221 Philosophy of Language</td>
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<tr>
<td>F. Topics in Philosophy</td>
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<tr>
<td>Take one of the following courses:</td>
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<tr>
<td>PHI 4931 Philosophy in the News</td>
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<td>PHI 3683 Philosophy of Friendship</td>
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<td>PHI 4321 Philosophies of Embodiment</td>
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<tr>
<td>PHI 3648 Ethical Issues of the Human Genome Project</td>
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<td>PHI 3022 Sexuality, Gender and Philosophy</td>
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<td>PHI 3033 Philosophy, Religion and the Environment</td>
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<tr>
<td>PHI 4804 Critical Theory</td>
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<tr>
<td>PHP 3763 Modernity as a Philosophical Problem</td>
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<tr>
<td>PHI 3750 Problem of Evil</td>
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<td>PHI 3720 Faith and Reason</td>
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<tr>
<td>PHI 3803 Philosophy and Creativity</td>
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<tr>
<td>PHI 3941 Philosophy Practicum</td>
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<tr>
<td>REL 3111 Religion and Philosophy through Film</td>
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<tr>
<td>PHP 3786 Existentialism</td>
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</tbody>
</table>

**B. Cultural and Historical Foundations**
- Select HUM 2210 Humanistic Traditions I  
  Select HUM 2230 Humanistic Traditions II  
  Select PHI 2101 Intro to Philosophy  
- PHI 2101 Intro to Philosophy
- PHI 3083 Research Methods
- PHI 4938 Senior Research Seminar

**C. Mathematical Foundations**
- MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)
- STA 1060C Statistics Using Excel
- PHI 2106 Intro to Philosophy

**D. Social Foundations**
- PHI 3625 Virtual Ethics
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3700 Ancient Philosophy
- PHI 3700 American Philosophy
- PHI 3700 African Philosophy
- PHI 3701 Native American Philosophy
- PHI 3805 Contemporary Aesthetics

**E. Science Foundations**
- PHI 4970H Honors Thesis
- PHI 4935 Senior Research Seminar

**2. Common Program Prerequisites**
- None

**3. Core requirements**
- (36 hrs)

**A. Core**
- (6 hrs)
  - HUM 2210 Humanistic Traditions I GEP
  - HUM 2230 Humanistic Traditions II GEP
  - PHI 2101 Intro to Philosophy GEP
  - PHI 3083 Research Methods

**B. Reasoning**
- (6 hrs)
  - PHI 2101 Philosophical Reasoning
  - PHI 2106 Intro to Philosophy
  - PHI 2647 Logic and Ethics
  - PHI 3131 Formal Logic II

**C. History of Philosophy**
- (9 hrs)
  - Take two of the following courses:
    - PHH 3100 Ancient Philosophy
    - PHH 3200 Medieval Philosophy
    - PHH 3460 Modern Western Philosophy
  - Take one of the following courses:
    - PHH 3300 Contemporary Philosophy
    - PHH 3510 Marx and Nietzsche
    - PHH 3700 American Philosophy
    - PHH 3700 African Philosophy

**D. Values and Society**
- (6 hrs)
  - PHI 3670 Ethical Theory
  - PHI 3626 Advanced Ethics in Science and Technology
  - PHEM 3401 Philosophy of Law
  - PHI 3800 Aesthetics
  - PHI 3123 Feminist Theories
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3625 Virtual Ethics
  - PHI 4653 Ethics and Biological Science
  - PHH 3100 Freedom and Justice
  - PHH 3640 Environmental Ethics
  - PHH 4031 Environmental Philosophy
  - PHH 3701 Native American Philosophy
  - PHI 3805 Contemporary Aesthetics

**E. Being and Knowing**
- (6 hrs)
  - PHI 4500 Metaphysics
  - PHI 4341 Ways of Knowing
  - PHI 4330 Ethical Issues of Knowledge
  - PHI 3700 Philosophy of Religion
  - PHI 4450 Philosophy of Science
  - PHI 3320 Philosophy of Mind
  - PHI 3451 Philosophy of Psychology
  - PHI 4420 Philosophy of Social Science
  - PHI 3323 Minds and Machines
  - PHP 4762 Phenomenology
  - PHI 4221 Philosophy of Language

**F. Topics in Philosophy**
- (3 hrs)
  - Take one of the following courses:
    - PHI 4931 Philosophy in the News
    - PHI 3683 Philosophy of Friendship
    - PHI 4321 Philosophies of Embodiment
    - PHI 3648 Ethical Issues of the Human Genome Project
    - PHI 3022 Sexuality, Gender and Philosophy
    - PHI 3033 Philosophy, Religion and the Environment
    - PHI 4804 Critical Theory
    - PHP 3763 Modernity as a Philosophical Problem
    - PHI 3750 Problem of Evil
    - PHI 3720 Faith and Reason
    - PHI 3803 Philosophy and Creativity
    - PHI 3941 Philosophy Practicum
    - REL 3111 Religion and Philosophy through Film
    - PHP 3786 Existentialism

**4. Upper Division Restricted Electives**
- (6 hrs)
  - Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

**5. Departmental Exit Requirements**
- (3 hrs)
  - Either PHI 4970H: Honors Thesis (3 hrs) or PHI 4935 Senior Research Seminar.
  - Earn a “C” (2.0) or better in each required course.
  - Computer Competency met by PHI 4970H, PHI 4935, or by STA 1060C.
  - Departmental Exit Exam in final semester.
  - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

**6. Foreign Language Requirements**
- (0-8 hrs)
  - Admission: 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.

**7. Electives**
- (variable - to reach 120)
  - Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

**8. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- (120 hrs)

**Related Programs**: Humanities, Humanities - Philosophy, Religion, Pop Culture Track, Religious Studies

**Related Minors**: Cognitive Sciences, Environmental Studies, Humanities, Philosophy, Religious Studies, Women’s Studies

**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.

**Honors in the 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 PHI 2101 Formal Logic I

**Upper Division Restricted Electives**
- (6 hrs)
  - Same requirements as for regular majors.

**Honors Thesis**
- PHI 4935H Honors Directed Reading 3 hrs
- PHI 4970H Honors Thesis 3 hrs

**Additional Requirements**:
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College
- Fulfill University requirements for Honors in the Major
- Earn a “B” (3.0) or better in both PHI 4903H and PHI 4970H
- 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

**UCF Degree Programs**

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Program Academic Learning Compacts

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

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced byalternates in the same requirement. (i.e. "req#1 C1-GEP" indicates a requirement from section 1 "UCF General Education Program," section C Mathematical Foundation #). Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
ENC 1101 Composition I 3
HUM 2210 Hum Tradition I 3
MGF 1106* req# 1C1-GEP 3
PHI 2010 Intro to Phil 3
SPN 1120C* req# Lang/Elec 4
Spring
ENC 1102 Composition II 3
HUM 2230 Hum Tradition II 3
STA 1060C* req# 1G2-GEP 3
PHI 2101* req# 3b-Found#Reasoning 3
SPN 1121C* req# Lang/Elec 4

Sophomore Year

Fall
BSC 1005* req# 1E1-GEP 3
PSY 2012* req# 1D2-GEP 3
SPC 1008* req# 1A3-GEP 3
PHI 2108 Reasoning 3
PHH1101* req# 3c-History 3
Spring
PHI 3083 Res Meth in Phil 3
PHH 3600* req# 3c-History 3
PHI 3207* req# 3e-Being 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Junior Year

Fall
ENC 3102 History I 3
PHS 3401 req# 3d Values 3
PHI 3421 req# 3l Topics 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Spring
PHI 3083 Res Meth in Phil 3
PHI 3401 req# 3d Values 3
PHI 3421 req# 3l Topics 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year

Fall
PH 3786* req# 4-ResEle 3
PH 4804* req# 4-ResEle 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Spring
PH 4938 Seminar 3
PHI 4970H 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

PHOTOGRAPHY (B.S.)

College of Arts and Humanities

Advisor: Jason Burrell (UCF-Daytona), 386-506-3944

The Photography B.S. program is a joint program between the University of Central Florida and Daytona State College.

(The 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-F.B.A. programs.)

The Art Department 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-Studio B.A. and Art-B.F.A. programs.)

Department 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 (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

ENC 1101 Composition I AS
ENC 1102 Composition II AS
SPC 2600* Speech 3 hrs

B. Cultural and Historical Foundations 6 hrs

ARH 2051 History and Criticism of Art II AS

C. Mathematical Foundations

MAC 1105 College Algebra or
MGF 2106 College Mathematics or
MGF 2107 Mathematics for Liberal Arts AS

Computer Science or Statistics 3 hrs

D. Social Foundations

Political Science or Economics 3 hrs
Psychology or Sociology AS

E. Science Foundation

Physical Science 3 hrs
Life Science 3 hrs

2. Common Program Prerequisites (0 hrs)

(Induced in A.S. or B.S. requirements.)

Subject to change. Prerequisites have not been set by the state.

ARH 2051 History and Criticism of Art II AS
PGY 1403* Fundamentals of Photography AS
PGY 3610C Photomedia I BS

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. AS Required Courses: (49 hrs)

(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 1800 Photography and the Digital Image 4 hrs
PGY 1806 Digital Imaging 3 hrs
PGY 2029 History and Aesthetics of Photography 3 hrs
PGY 2107 Large Format Photography 4 hrs
PGY 2215 Professional Studio Production 4 hrs
PGY 2216 Location Photography 4 hrs
PGY 2300 Field Survey of Professional Workshop 3 hrs
PGY 2470 Advanced Photography Workshop 4 hrs
PGY 2935 Portfolio Workshop 4 hrs
PGY 2650 Editorial Photography 4 hrs

4. Upper Division Required Courses (39 hrs)

PGY 3002 Contemporary Photography 3 hrs
PGY 3711 History of Photography II 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
CRW 3011 Creative Writing for Non-Majors 3 hrs
PGY 355C Advanced Explorations in Digital Photography 3 hrs
PGY 4472C Photography Workshop Project 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY 3324 The Professional Environment 3 hrs
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3480 Photographic Exhibition and Display 3 hrs

5. Upper Division Restricted Electives (3 hrs)

Select one of the following courses:

PGY 3451C Alternative Processes 3 hrs
PGY 3809C Photography and Web Design 3 hrs
PGY 3751C Videography 3 hrs
PGY 4493C Photography and Art 3 hrs

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Exit Requirements

A. 2.0 UCF GPA

B. 60 semester hours earned after any CLEP award

C. 42 semester hours of upper division credit completed.

D. 30 of the last 36 hours of course work must be completed in residence at UCF

E. A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted.

F. Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 127 hrs
Community College Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with the general education program (GEP) requirements of that institution may 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 General Education and Common Program Prerequisites
- ARH1000* May substitute ARH 2500 or ARH 2050
- GRA 1741* May substitute GRA 2111C
- GRA 1800* May substitute GRA 2140C

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

PHYSICS (B.S.)
College of Sciences
Physics Department, MAP 310, 407-823-2325
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Chair: Talat S. 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.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major; CHM 2045C, CHM 2046&L, MAC 2311, MAC 2312, MAC 2313, PHY 2048 &L, and PHY 2049&L. 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.

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.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)
   A. Communication Foundations
      1. Select ENC 1101 and ENC 1102 6 hrs
      2. Prefer SPC 1603 3 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Prefer COP 2323 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations
      1. Select PHY 2048 & L (PR:MAC 2311) 4 hrs
      2. Select a listed course 3 hrs

2. Common Program Prerequisites (20 hrs)
   CHM 2045C*  Chem Fund I 4 hrs
   CHM 2046&L  Chem Fund II & lab 4 hrs
   MAC 2311 Calculus with Analy Geo I GEP

MAC 2312 Calculus with Analy Geo II 4 hrs
MAC 2313 Calculus with Analy Geo III 4 hrs
PHY 2048&L Physics Engr & Sci I & Lab GEP
PHY 2049&L Physics Engr & Sci II & Lab 4 hrs

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C
*See Transfer Notes for other possible substitutes

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

3. Core requirements (all tracks) (36 hrs)
   MAP 2302 Differential Equations 3 hrs
   PHY 3101 Physics Engr & Sci III 3 hrs
   PHY 3113 Intro to Theoretical Meth of Phys 3 hrs
   PHY 3220 Mechanics I 3 hrs
   PHY 3513 Thermal and Statistical Physics 3 hrs
   PHY 3323 Electricity and Magnetism I 3 hrs
   PHY 4324 Electricity and Magnetism II 3 hrs
   PHY 4604 Wave Mechanics I 3 hrs
   PHY 4605 Wave Mechanics II 3 hrs
   PHY 4912 Directed Independent Research 3 hrs

   Laboratory requirements
   PHY 3802L Intermediate Physics Lab 3 hrs
   Select one of the following 3 hrs
   PHY 3752C Physics of Sci Instruments
   PHY 3722C Physics Laboratory: Electronics

4. Specialization: select one specialization

4.1 General Physics Specialization (18 hrs)
   PHY 4803L Advanced Physics Lab 3 hrs
   Upper Division Restricted Electives 6 hrs
   PHY, PHZ, or AST courses 9 hrs
   Directed Electives 6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2 Materials Physics Specialization (18 hrs)
   Choose one lab from:
   PHY 4803L Advanced Physics Lab 3 hrs
   EEE 5356C Fabrication of Solid State Devices 4 hrs
   Choose nine hours from:
   EEE 3350 Semiconductor Devices 3 hrs
   EGN 3365 Struct and Properties of Materials 3 hrs
   EMA 4413 Electronic Properties of Materials 3 hrs
   CHM 3411L Physical Chemistry Laboratory 2 hrs
   PHZ 5405 Condensed Matter Physics 3 hrs
   EEE 5352 Semiconductor Mat & Device Char 3 hrs
   Directed Electives 6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization (18 hrs)
   PHY 4424 Optics 3 hrs
   Choose six hours from:
   EEL 4440 Optical Engineering 3 hrs
   PHY 4445 Lasers 3 hrs
   OSE 5203 Fundamentals of Applied Optics 3 hrs
   OSE 5312 Fundamentals of Optical Science 3 hrs
   OSE 5414 Fund. of Optoelectronic Devices 3 hrs
   Directed Electives 9 hrs
   Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.4 Computational Physics Specialization (19 hrs)
   PHZ 3151 Computer Methods in Physics 3 hrs
   COP 3020C Computer Science I 3 hrs
   COP 3030C Computer Science II 4 hrs
   COT 4500 Numerical Calculus 3 hrs
   Directed Electives 6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization (18 hrs)
   AST 3110 Astronomy 3 hrs
   AST 3722C Techniques Observational Astron 3 hrs
   Choose two of the following:
   AST 3110 Solar System Astronomy 3 hrs
   AST 3211 Stellar Astrophysics 3 hrs
   AST 3402 Galaxies and Cosmology 3 hrs
   Directed Electives 6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.
UCF Degree Programs

5. 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.
   - Computer Competency met by COP 3223 or a departmental exam.
   - Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: none

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable).

Semester Hours Required 120 hrs
Related Programs: Engineering, Mathematics
Related Minors: Mathematics, Physics, Astronomy
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 common program prerequisites if taken prior to transferring to UCF:
   - CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

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

Equipment Fee
   - Full-time Student .............................................. $24.80 per term
   - Part-time Student ............................................. $12.40 per term

Suggested 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 within the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
   Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
   Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year Fall
   - ANT 2000* req# 1D2-GEP
   - ENC 1101 Composition I
   - MAC 2311 Calc Anal Geo I
   - CHM 2045C Chem Fund I
   - Spring
   - ENC 1102 Composition II
   - PHY 2048 Phy for Eng Sci I
   - PHY 2048L Phy for Eng Sci I
   - MAC 2312 Calc Anal Geo II

Sophomore Year Fall
   - COP 3223 Intro to Prog C
   - HUM 2210* req# 1BL1-GEP
   - SPC 1603 Fund Tech Pros
   - MAC 2313 Calc Anal Geo III
   - PHY 2040 Phy for Eng Sci II
   - Spring
   - MUL 2010* req# 1B2-GEP
   - MAP 2302 Diff Equations
   - PHY 3101 Phy Eng Sci III
   - PHY 2040L Phy Eng Sci II
   - 3 PHY 3113 Intro Ther Meth of 1

Junior Year Fall
   - PHY 3802L Int. Phy Lab
   - PHY 375C reg#3-core
   - PHY 3323 Elect Mag I
   - PHY 3513 Thermal Phys
   - COP 350C* req# 4-Spec
   - Spring
   - POS 2041* req# 1D1-GEP
   - PHY 3220 Mechanics
   - PHY 4324 Elect Mag II
   - PHY 3151 req#4-spec
   - COP 350C* req# 4-Spec

Senior Year Fall
   - PHY 4604 Intro to Quantum Mech. I
   - PHY 4912 Ind Research
   - COT 4500* req# 4-Spec
   - PHY 3722C Physics L Elect
   - Elective* Check restrictions
   - Spring
   - PHY 4605 Intro to Quantum Mech II
   - PHY 4424* req# 4-Spec
   - PHY 4605 Intro to Quantum Mech III
   - Elective Check restrictions
   - Phys Test-National normed

POLITICAL SCIENCE (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Chair: R. Handberg, 407-823-2608

Admission Requirements none

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Co-op or internship credit cannot be used in this major without prior departmental approval.
   - Students should consult with a departmental advisor.
   - Double major/dual degree policy in Political Science programs and minors.
   - Students who double major in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
   - Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
   - 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.

Departmental Residency Requirement consists of at least 15 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

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      1. Select ENC 1101 & ENC 1102
      2. Prefer SPC 1608
   B. Cultural and Historical Foundations
      1. Prefer AMH 2010
      2. Select from GEP B.2 list
      3. Prefer AMH 2020
   C. Mathematical Foundations
      1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
      2. Prefer STA 2014C or STA 2016C
   D. Social Foundations
      1. Select POS 2041
      2. Select from GEP D.2 list
      3. Prefer STA 2014C or STA 2016C
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (3 hrs)
   POS 2041* American National Government
   POS XXXX* Any other POS XXXX course
   (See Transfer Notes for possible substitutes)
   *See Transfer Notes for possible substitutes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core (0 hrs)
   POS 2041
   POS 3703
   American National Government
   Scope & Methods of Pol Sci
   CPP

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
http://mathplacement.sdes.ucf.edu/
4. Upper Division Restricted Electives (30 hrs)
Choose one of the following emphases

**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**
- 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

*No more than two of the following courses may be considered part of area B credit: INR 4401, INR 4402, INR 4404.

**Track 3: Prelaw**
Please see Political Science - Prelaw for the emphasis requirements.

**Track 4: International Studies**
Please see Political Science - International Studies for the emphasis requirements.

**AREAS OF SPECIALIZATION**

**A. American Politics and Policy**
- POS 3122: State Government & Public Policy
- POS 3173: Southern Politics
- POS 3182: Florida Politics
- POS 3233: Public Opinion
- POS 3235: Mass Media and Politics
- POS 3238: Politics in Film
- POS 3273: Voting and Elections
- POS 3413: The American Presidency
- POS 3424: Congress and the Legislative Process
- POS 3443: Political Parties and Processes
- POS 3463: Interest Groups
- POS 3627: Cultural Pluralism and the Law
- POS 4074: Latino Politics
- POS 4142: Metropolitan Politics
- POS 4204: Political Behavior
- POS 4246: Political Socialization
- POS 4284: Judicial Process and Politics
- POS 4412: Presidential Campaigning
- POS 4603: American Constitutional Law I
- POS 4604: American Constitutional Law II
- POS 4622: Politics and Civil Rights
- POS 4742: Geographic Information Systems for the Political Scientist
- PUP 4204: Sustainability
- PUP 4209: Urban Environmental Policy
- PUP 4303: Environmental Politics
- PUP 4314: Minors in American Politics
- PUP 4325: Women and Political Behavior
- PUP 4403: American Public Policy
- PUP 4404: Sustainability
- PUP 4432: Women and Public Policy
- PUP 4742: GIS for the Political Scientist
- PUP 4404: Education and Politics
- PUP 4503: Government and Science
- PUP 4602: Politics of Health
- PUP 4744: Government and Business
- PUP 4931: Topics in Public Policy

**B. International Relations and Comparative Government**
- CPO 3034: Politics of Developing Areas
- CPO 3103: Comparative Politics
- CPO 3104: Politics of Western Europe
- CPO 3132: Canadian Studies
- CPO 3403: Politics of the Middle East
- CPO 3614: Politics of Eastern Europe
- CPO 4047: Politics of the NAFTA Region
- CPO 4062: Comparative Judicial Processes
- 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 4445: Comparative Political Parties
- CPO 4553: Politics of Japan
- CPO 4643: Government and Politics of Russia
- CPO 4710: Women in Comparative Perspective
- CPO 4754: Comparative Political Institutions
- CPO 4773: Politics from area C
- GEP 3471: World Political Geography
- IDS 4315: Global Perspectives
- INR 2002: International Relations-Theory & Practice
- INR 2016: Global Political Issues
- INR 3250: Politics of Pan-Africanism
- INR 3253: International Politics of Africa

**C. Political Theory**
- INR 4011: Politics of Globalization
- INR 4030: Diplomacy
- INR 4035: International Political Economy
- INR 4054: Global Politics of Energy
- INR 4060: Causes of War
- INR 4064: Changing Nature of War
- INR 4074: Immigration Policy
- INR 4075: Human Rights Policy
- INR 4076: Global Drug Policy
- INR 4085: Women, Gender, and Globalization
- INR 4102: American Foreign Policy
- INR 4104: Topics and Cases in American Foreign Policy
- INR 4114: American Security Policy
- INR 4115: Strategic Weapons and Arms Control
- INR 4224: Contemporary International Politics of Asia
- INR 4225: The Vietnam War
- INR 4243: International Politics of Latin America
- INR 4350: Global Environmental Politics
- INR 4354: The Intelligence Community
- INR 4358: Issues in International Public Policy
- INR 4375: Coercion in International Politics
- INR 4401: International Law I
- INR 4402: International Law II
- INR 4404: Space Law
- INR 4405: International Organizations
- INR 4714: Politics of International Trade Policy
- PUP 3253: Contemporary Revolution & Political Violence
- PUP 3308: Space Studies
- PUP 3014: Comparative Public Policy
- INR 4381: International Environmental Law
- PUP 4510: Space Policy

5. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
 Admission: 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.

7. Electives (variable)
 Select primarily from upper level courses, with departmental advisor's approval. May be outside of 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.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required: 120 hrs
Related Programs: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

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 common program prerequisites if take prior to transferring to UCF:
- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

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 Fee
- Full-time Student .................................... $10 per term
- Part-time Student .................................... $5 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternatives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
AMH 2010 U.S His 1492 1877 3
ENC 1101 Composition I 3
MGF 110x* req# 1CI-GEP 3
POS 2041 Amer National Gvt 3
PSY 2012* req# 1D2-GEP 3
Sophomore Year
Fall
BSC 1005* req# 1E2-GEP 3
POS 2041* req# 1E1-GEP 3
CPO 3103* req# 4B-ResElec 3
Elec** Check restrictions 3
SPN 1120C* req# Lang/Elec 4
Junior Year
Fall
PO 3233* req# 4A-ResElec 3
POS 3424* req# 4A-ResElec 3
CPO 3034* req# 4B-ResElec 3
Elec** Check restrictions 3
Senior Year
Fall
PO 3204* req# 4C-ResElec 3
Elec** Check restrictions 4
Elec** Check restrictions 3
Elec** Check restrictions 3

POLITICAL SCIENCE - PRELAW TRACK (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of 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.
- Double major/dual degree policy in Political Science programs and minors.
- Students who major in any Political Science track and minor in International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
- Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
- Departmental Residency Requirement consists of at least 15 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.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      1. Select ENC 1101, ENC 1102 6 hrs
      2. Select SPN 1120 3 hrs
   B. Cultural and Historical Foundations
      1. Prefer AMH 2010 3 hrs
      2. Prefer AMH 2020 3 hrs
      3. Select from GEP 8.2 list 3 hrs
   C. Mathematical Foundations
      1. Prefer GGE 1106 or GGE 1107 (may substitute a higher level math) 3 hrs
      2. Prefer STA 2014C or STA 1060C 3 hrs
   D. Social Foundations
      1. Select POS 2041 American National Gvt 3 hrs
      2. Select one of the three choices: 3 hrs
      3. E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
   POS 2041* American National Gvt
   POS XXX* Any other POS XXX course 3 hrs
   *See Transfer Notes for possible substitutes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core
   POS 2041 American National Government
   POS 3703 Scope & Methods of Pol Sci
   (0 hrs)

4. Upper Division Restricted Electives (30 hrs)
   POS 4284 Judicial Process and Politics 3 hrs
   4.1 Select one of the following:
      1. POS 4603 American Constitutional Law I 3 hrs
      2. POS 4604 American Constitutional Law II
      3. INR 4401 International Law I
      4. INR 4402 International Law II
   4.2 Select one (See listing under Political Science)
      Five courses from area A and 15 hrs
      Two courses from area B 6 hrs
      or
      Two courses from area A and 6 hrs
      Five courses from area B 15 hrs
      4.3 Select one course from area C 3 hrs

5. Upper Division Restricted Electives (30 hrs)
   Maintain a minimum GPA of 2.0 in the major.
   Computer Competency met by POS 3703
   Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
   Admission: 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.
7. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Some suggested electives Include:
- ACG 2071: Principles of Managerial Accounting
- BUL 3130: Legal and Ethical Env't of Business
- PLA 3104: Legal Research
- PLA 3155: Legal Writing
- PHI 2011: Critical Thinking
- MHF 3302: Logic and Proof in Mathematics
- ENC 3241: Writing for the Technical Professional
- ENC 3250: Professional Writing
- LIN 4105: History of the English Language
- 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.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics, History, Philosophy
Related Minors: Economics, History, English, Philosophy
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 common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

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

Equipment Fee
- Full-time Student  $10 per term
- Part-time Student  $5 per term

Suggested 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

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<th>Fall</th>
<th>Spring</th>
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<td>AMH 2010 U S His 1492 1877</td>
<td>AMH 2020 U S His 1877 Pres</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
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<td>MGF 110X* req# I1C-GEP</td>
<td>REL 2300* req# I1B-GEP</td>
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<td>POS 2041 Amer National Gvt</td>
<td>SPC 1608* req# I1A-GEP</td>
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<td>POS 3141X* req# I2E-GEP</td>
<td>STA 2014C Prin of Statistics</td>
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### Sophomore Year

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<th>Fall</th>
<th>Spring</th>
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<td>BSC 1005* req# I1E-GEP</td>
<td>PSC 1121* req# I1E-GEP</td>
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<tr>
<td>POS 4284 Jud Process Pol</td>
<td>POS 3703 Metlh of Pol Sci</td>
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<td>CPO 3130* req# I4.2B-RE</td>
<td>POS 4604* req# I4.1-ResEle</td>
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### Junior Year

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<td>POS 3173* req# 4.2A-RE</td>
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<td>POS 3233* req# 4.2A-RE</td>
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<td>POS 3424* req# 4.2A-RE</td>
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</tr>
<tr>
<td>CPO 3034* req# 4.2B-RE</td>
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### Senior Year

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<td>POS 3173* req# 4.2A-RE</td>
</tr>
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<td>POT 3204* req# 4.3C-RE</td>
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</table>

### PSYCHOLOGY (B.S.)

**College of Sciences**

**Psychology Department, PSY 301, 407-823-2216**

http://www.psych.ucf.edu/

E-mail: psychadvising@mail.ucf.edu

Contact: Psychology Advising Center, PSY 250, 407-823-2219; R. Dipboye, 407-823-2216

- 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.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Honors in Psychology:**

*Additional Requirements* (6 hrs)

- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Application and admission through the department.
- Fulfill University requirements for Honors in the Major.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0).
- Have an overall UCF GPA above 3.2.
- History 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

**1. UCF General Education Program**

(Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.)

| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 3 hrs |
| 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) |
| 2. Select STA 2023 or STA 2014C |
| D. Social Foundations | 3 hrs |
| 1. Select one of the listed choices |
| 2. Select PSY 2012 |
| E. Science Foundations | 3 hrs |
| 1. Select one of the listed choices |
| 2. Select BSC 1005 (or BSC 2010C if additional Biology courses are planned) |

*See Transfer Notes for possible substitutions*

**2. Common Program Prerequisites** (3 hrs)

- BSC 1005* Biological Principles or GEP
- BSC 2010C (If additional Biology courses are planned)
- PSY 2012 General Psychology GEP
- DEP 2004* Developmental Psychology 3 hrs
- STA 2023* Statistical Methods I or STA 2014C GEP

*See Transfer Notes for possible substitutes*
3. Core requirements (15 hrs)
   - BSC 1005* Biological Principles (or BSC 2010C) GEP
   - PSY 2012 General Psychology GEP
   - STA 2023* Statistical Methods I (or STA 2014C) GEP
   - PSY 3304 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

4. Restricted Electives (27-32 hrs)

5. Math/Science Electives (6-8 hrs)
   - Select two of the following from outside Psychology

6. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each course in the core
     requirements, restricted electives and science elective.
   - Maintain a minimum overall psychology GPA of 2.0
   - Computer Competency met by PSY 3213C
   - Before applying to graduate, the CLAST must be completely
     satisfied

7. Foreign Language Requirements (0-8 hrs)
   - Admission: 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 (variable)
   - Select primarily from upper level courses, with departmental advi-
     sor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in
     residency at UCF
   - A 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
     CLAST, and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Sociology, Anthropology, Statistics, Criminal
Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

Transfer Notes:
   - Lower division courses taken at community colleges do not sub-
     stitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must
     be evaluated for equivalency credit. The student must provide all
     supporting information.

Acceptable Substitutes for common program prerequisites if taken
prior to transferring to UCF:
   - BSC 1005 or BSC 2010C: any lower level BSC course or ZOO
     X010. However, BSC 2010C is a prerequisite for all subsequent
     Biology courses and thus may need to be taken in order to qual-
     ify for other Biology courses used as science electives for the BS
     degree in psychology.
   - STA XXX: any lower level STA course will fulfill the CPP. Since
     STA 2014C or STA 2023 are prerequisites for subsequent psy-
     chology courses, students are advised to select either to satisfy
     their CPP.
   - DEP 2004; any lower level psychology course will fulfill the
     CPP. Since DEP 2004 satisfies the CPP as well as psychology
     restricted elective 4C, students are advised to select DEP 2004
     to satisfy their CPP.

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]

Equipment Fee
   - Full-time Student .................................................. $11 per term
   - Part-time Student .................................................. $5.50 per term

Suggested 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
     - PHI 2101* req req 1B3-GEP
     - ENC 1101 Composition I
     - MGF 110X req req 1C1-GEP
     - MAC 2233 Applied Calculus I
   
   - Spring
     - PHI 2102* req req 1B3-GEP
     - ENC 1102 Composition II
     - MGF 110X req req 1D1-GEP
     - MAC 2233 Applied Calculus I

Sophomore Year
   - Fall
     - EEUU 2100* req 1B1-GEP
     - EEUU 2100* req 1B2-GEP
     - DEP 2040* req 4C-ResElec
     - DEP 2040* req 4C-ResElec
     - AST 2002* Astronomy
     - Elective* Check restrictions
   
   - Spring
     - EEUU 2100* req 1B1-GEP
     - EEUU 2100* req 1B2-GEP
     - DEP 2040* req 4C-ResElec
     - DEP 2040* req 4C-ResElec
     - AST 2002* Astronomy
     - Elective* Check restrictions
PUBLIC ADMINISTRATION (B.A., B.S.)
College of Health and Public Affairs
Department of Public Administration
HPA2 238, 407-823-2604
http://www.coehpa.ucf.edu/pubadm/
Undergraduate Program Director: Dr. Michael Abels;
E-mail: pa/ba/bs@mail.ucf.edu
Admissions:
Dr. Michael Abels; HPA2 238, 407-823-2604
Department of Public Administration
College of Health and Public Affairs
PUBLIC ADMINISTRATION (B.A., B.S.)

5. Departmental Exit Requirements
The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisite 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).

6. 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.

7. Foreign Language Requirements
(0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and armed forces credits permitted.

Total Semester Hours Required
120 hrs

Related Programs: Accounting, Communications, Economics, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice, Health Services Administration, Management

Related Minors: Communications, Business, Economics, Political Science, Legal Studies, Criminal Justice

Transfer Notes: Intro. to Computer Science (CGS 1060C) or any Computer Science course
Economics I (ECO 2013) or any Macroeconomics course
American National Government (POS 2041) or any course in American National Government

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

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall
Enc 1101 3
CGS 1060C 3
POS 2041 3
One Course: ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300,
PFA 2102 3
Sophomore Year
Fall
Spc 1608 3
Euh 2000 or Hum 2210 or Amh 2010 or Woh 2012 3
Eco 2103 3
Bsc 1005 or Mcb 1310 or Gly 1030 or Geo 1200 or Ant 2511 3
Junior Year
Fall
Paf 4104 3
Paf 4414 3
Paf Elective 3
Supporting Elective 3
Foreign Lang I or B.S. option 3
## UCF Degree Programs

### RADIO-TELEVISION (B.A.)
**College of Sciences**
**Nicholson School of Communication**
**COMM 238, 407-823-2681**
**E-mail: radiotv@ucf.edu**

**Contact:** Dr. W. Joe Hall

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### Admission Requirements

- **Senior Year**
  - **Fall**
    - PAD Elective 3 hrs
  - **Spring**
    - PAD Internship 6 hrs

- **Limited Access**
  - The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

- **The Department of Public Administration offers minors in Emergency Management and Homeland Security, Urban and Regional Planning, Public Administration, and Nonprofit Management.**

- **Humanics National Certification Program and also offers a certificate in Nonprofit Management.**

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### Undergraduate Catalog

**Senior Year**

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**Spring**

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<th>15 hrs</th>
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<tbody>
<tr>
<td>PAD Internship* 6</td>
</tr>
</tbody>
</table>

*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.

**Minors**

- The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

- The Department of Public Administration offers minors in Emergency Management and Homeland Security, Urban and Regional Planning, Public Administration, and Nonprofit Management/ American Humanities National Certification Program and also offers a certificate in Nonprofit Management.

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### RADIO-TELEVISION (B.A.)

**College of Sciences**
**Nicholson School of Communication**
**COMM 238, 407-823-2681**
**E-mail: radiotv@ucf.edu**

**Contact:** Dr. W. Joe Hall

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### Admission Requirements

- **Students should apply to become Radio-Television majors only after completing all requirements for admission. Deadlines are:**
  - 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

- **Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each year with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.**

- **Meet a grammar proficiency standard ("B" grades or better in ENC 1101 and ENC 1102 or pass the grammar proficiency exam).**

- **Receive a positive evaluation of other factors specified by the School.**

- **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 pending departmental permission**

- **Co-op credit may be used in this major pending approval from an RTV advisor**

- **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 hours may be taken within the Nicholson School of Communication**

- **Radio TV majors must select their required minor from outside the 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 RTV major under the new, desired track**

- **A maximum of three 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**

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### 1. UCF General Education Program

**A. Communication Foundations**
- Select ENC 1101 & ENC 1102 6 hrs
- Select ENC 1503 3 hrs

**B. Cultural and Historical Foundations**
- 9 hrs

**C. Mathematical Foundations**
- Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
- Select CGS 2100C 3 hrs

**D. Social Foundations**
- 6 hrs

**E. Science Foundations**
- 6 hrs

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### 2. Common Program Prerequisites

**Select one course**
**GEP**
- SPC 1603 Fund of Technical Presentations or
- SPC 1608 Fund Oral Communication

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

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### 3. Core requirements (all areas)

**Select one of the following**: 3 hrs
- CGS 2100C Computer Fundamentals of Business
- CCG 2585C Desktop/Internet Publishing
- CCG 3175 Internet Applications

**Complete all the following**: 3 hrs
- RTV 2102 Writing for the Electronic Media
- RTV 3200 Production Fund & Aesthetics of Electronic Media
- RTV 3007 Development and Structure of Electronic Media and New Technology
- MMC 3200 Mass Communication Law
- MMC 4300 Media and Society
- MMC 3420 Mass Media Research Method

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### 4. Specialization: Select one area

#### 4.1 Production

**Select 18 hours from the following:**
- RTV 3210C Audio Production I 3 hrs
- RTV 3227C Studio Television Production 4 hrs
- RTV 3230C Lighting for Video 3 hrs
- RTV 3260C Single Camera Video Prodn & Edit 4 hrs
- RTV 3263C Advanced Video Post-Production 3 hrs
- RTV 3283C Production of Int. Multimedia 3 hrs
- RTV 3942L Practicum 1-3 hrs
- RTV 4211C Audio Production II 3 hrs
- RTV 4280C Webcasting I 3 hrs
- RTV 4281C Webcasting II 3 hrs
- RTV 4260C Television Directing 3 hrs
- RTV 4271C Radio Production & Programming 3 hrs
- RTV 4941 Internship 1-3 hrs

**Complete 5 hours from the following:**
- MMC 3420 Mass Media Research Method 3 hrs
- MMC 3422 Media and Society 3 hrs
- MMC 3423 Fundamentals of Broadcast Management 3 hrs
- MMC 3424 Advanced Television News 3 hrs

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### 4.2 Broadcast Journalism

**Select all the following courses:**
- RTV 2305C Single Camera Video Prodn & Edit 4 hrs
- RTV 2307C Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 4320C Television News 4 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- JOU 3004 History of American Journalism 3 hrs

**Complete 5 hours from the following:**
- RTV 3234C Broadcast Announcing and Performance 3 hrs
- RTV 4941 Internship (3 hrs max)
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4701 Independent Studies (3 hrs max)
- RTV 4322C Advanced Television News 3 hrs

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### 4.3 Broadcast Generalist

**Select 12 hours from the following:**
- RTV 3234C Broadcast Announcing & Performance 4 hrs
- RTV 4721C Radio Production & Programming 3 hrs
- RTV 4800 Regulation of Broadcasting 3 hrs
- ADV 4103 Radio-TV Advertising 3 hrs
- COM 3330 Computer-Mediated Comm. 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- RTV 4941 Internship (3 hrs max)
b. Select 6 hours from the following:  6 hrs
   ADV 3008  Principles of Advertising
   PUR 4000  Public Relations
   COM 3110  Business & Prof. Comm.
   ENC 3250  Professional Writing

5. Required Minor  (18 hrs minimum)
Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

6. School 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.
   Computer competency met by CGS 2100C or departmental assessment.
   Before applying to graduate, the CLAST must be completely satisfied

7. Foreign Language Requirements  (0-8 hrs)
Admission: 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  (variable)
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. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120 hrs

Related Programs: Advertising/Public Relations, Animation, Digital Media, Journalism, Film, Theatre
Related Minors: Digital Media, Film, Marketing, Theatre

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.

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 Fee
   Full-time Student ................................................. $90 per term
   Part-time Student ................................................ $45 per term

RADILOCIC SCIENCES (B.S.)
College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.coahealhtypro/radbs.cfm
Undergraduate Program Director: Susan Gosnell,
E-mail: sgosnell@mail.ucf.edu

Admission Requirements  Limited Access
   Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program.
   Separate application to the limited access program must be made directly to the program on or before March 1 of the year admission is sought.

   UCF application must be submitted by the program deadline of March 1. 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.
   Criminal history information (background check) must be submitted on or before April 1st of the year admission is sought. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
   A personal interview is also required.
   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). Applicants are considered for admission based on ranking by overall GPA.

Degree Requirements
   Students who are Radiologic Sciences Pending 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 transferred within the Florida Department of Law Enforcement (FDLE).
   UCF Residency Requirement for Radiography: 33 hours

1. UCF General Education Program  (36+2 hrs)
   A. Communication Foundations  9 hrs
   B. Cultural Historical Foundations  9 hrs
   C. Mathematical Foundations  6 hrs
      Select MAC 1105*
      Select MAC 1105*
   D. Social Foundations  6 hrs
      Select ENS 1101*
      Select PHI 2053*
   E. Science Foundations  8 hrs
      Select SCF 2010C*
      Select PHY 2053C*

2. Common Program Prerequisites  (12 hrs)
   CGS 1060C  Introduction to Computer Science
   PCB 3703C  Human Physiology
   PHY 2053C  College Physics I
   PHY 2054C  College Physics II
   ZOO 3733C  Human Anatomy
   MAC 1105*  College Algebra

   *See Transfer Notes
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements  (76 hrs)
   Junior Level
      RTE 3000  Introduction to Radiologic Sciences  3 hrs
      RTE 3111C  Introduction to Patient Care  2 hrs
      RTE 3503C  Radiographic Procedures I  3 hrs
      RTE 3116  Advanced Patient Care  3 hrs
      RTE 3418C  Principles of Radiographic Exposure I  3 hrs
      RTE 3804L  Clinical Education I  2 hrs
      RTE 3513C  Radiographic Procedures II  3 hrs
      RTE 3457C  Principles of Radiographic Exposure II  3 hrs
      RTE 3614  Physics of Image Production  2 hrs
      RTE 3308  Medical Physics  3 hrs
      STA 2023  Statistical Methods I  3 hrs
      HSC 4555  Pathophysiologic Mechanisms  3 hrs
      RTE 3814L  Clinical Education II  4 hrs

   Senior Level
      RTE 4563  Special Radiographic Procedures  2 hrs
      RTE 4782  Pathophysiologic  2 hrs
      RTE 4824L  Clinical Education III  5 hrs
      RTE 4573  Advanced Imaging Modalities  3 hrs
4. Program Exit Requirements (126 hrs)
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 Radiologic Sciences Program. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

5. Electives
none

6. Foreign Language Requirements (0-8 hrs)
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. Students who transfer with a Florida Public Community College AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation:
none

7. University Minimum Exit Requirements

■ An overall GPA of 2.5
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residency at UCF
■ 25% of course work must be completed in residency at UCF
■ A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: (126 hrs)

Related Programs: Cardiopulmonary Sciences, Nursing, Health Services Administration

Transfer Notes: 
Prerequisite Requirements
The prerequisite requirements for the following courses are listed below:
PHY 2053C: PR: MAC 1105 and MAC 1114 or equivalent or C.I.
PCB 3703C: PR: BSC 2010C, CHM 1032 or CHM 2045C.
ZOO 3733C: PR: BSC 2010C or equivalent.

Credit by Examination
Credit by Exam for clinical education courses will be awarded to ARRT certified Radiographers who demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. The knowledge required to perform advanced competencies may be demonstrated by registration in multiple disciplines, registration in an advanced level of certification or completion of the Advanced Clinical Practicum course. Students who successfully complete the requirements for credit by exam will be awarded a grade of "S" for the clinical education courses required in their program of study.

Credit by exam for didactic courses will be awarded according to the process described in the UCF Catalog.

Community College Equivalents:

Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2093C and BSC 2094C) 8
College Algebra (MAC 1105 or MAC 1102) 3
College Physics I (PHY 2053C) 4
College Physics II (PHY 2054C) 4
Introduction to Computer Science (CGS 1060C or CGS X530, CGS X570, CIS X400, CIS X900, CGS X900, CGS X601, CGS X361(no longer offered), CGS X100 3

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cea.ucf.edu/alc/academic_learning_compacts.htm
2. Common Program Prerequisites (18-21 hrs)
Must be completed with a “C” (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hr
- ACG 2071 Principles of Managerial Accounting 3 hr
- ECO 2013 Principles of Macroeconomics 3 hr
- ECO 2023 Principles of Microeconomics 3 hr
- *ECO 3401 Quantitative Business Tools I 3 hr
- CGS 2100C Computer Fundamentals for Business 3 hr

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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

3. Core Classes (36 hrs)
First or subsequent semester in the College of Business Administration:
- GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- BUL 3130 Legal & Ethical Environments of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAR 3023 Marketing 4 hrs

Last Semester:
- MAN 4720 Strategic Management 4 hrs

4. Special College and/or Department Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transferred into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in real estate 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.
- A maximum of 6 hours of required or elective coursework 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 major.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (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

6. Restricted Electives (15 hrs)
Select five of the following:
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4732 Real Estate Development 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941 Internship 3 hrs
- REE 4903H** Honors Directed Readings in Real Estate 3 hrs
- REE 4970H** Honors Thesis in Real Estate 3 hrs

**Must be accepted into the UCF Honors in the Major Program.
See http://www.honors.ucf.edu/ for details.

7. Foreign Language Requirements (0-8 hrs)
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. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 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

- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
Total Semester Hours Required 120 hrs

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, Macroeconomics, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF.

- 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.

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 Fee
- Full-time Student $30 per term
- Part-time Student $15 per term

FOUR YEAR PLAN OF STUDY - REAL ESTATE

Freshman
1st Term 15 hrs
- ENC 1101 3
- Cult-Hist I 3
- MAC 1105 3

2nd Term 15 hrs
- ACG 2021 3
- ACG 2071 3
- CGB 2100C 3
- Elective*** 3

Total 30 hrs

Sophomore
1st Term 15 hrs
- ECO 2013 3
- ACG 2023 3
- MAC 1105 3
- Elective*** 3

2nd Term 15 hrs
- ECO 2023 3
- ACG 2071 3
- CGB 2100C 3
- Elective*** 3

Total 30 hrs

Junior
1st Term 15 hrs
- ECO 3401 3
- Elective*** 3

2nd Term 15 hrs
- ECO 3401 3
- Elective*** 3
- Elective*** 3

Total 30 hrs

Senior
1st Term 15 hrs
- ECO 4303 3
- REE 4970H** 3

2nd Term 16 hrs
- ECO 3401 3
- Elective*** 3
- Elective*** 3

Total 30 hrs

***General electives as required to reach 120 semester hours.
1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      9 hrs
   B. Cultural and Historical Foundations
      Select HUM 2210 Humanistic Tradition I
      3 hrs
      Select HUM 2230 Humanistic Tradition II
      3 hrs
      Select REL 2300 World Religions
      3 hrs
   C. Mathematical Foundations
      6 hrs
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      (May substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites
   24 hrs

3. Core requirements
   0 hrs
   a. Core
      HUM 2210 Humanistic Traditions I
      3 hrs
      HUM 2230 Humanistic Traditions II
      3 hrs
      REL 2300 World Religions
      3 hrs
   b. Foundations in the Study of Religion and the Humanities
      9 hrs
      Select three courses, at least two must be from (1)
   (1) Religion
      REL 3131 Religion in America
      HUM 3410 Philosophy of Religion
      ANT 3245 Magic, Ritual, and Belief
      POT 4632 Religion and Politics
      SYO 4209 Sociology of Religion
   (2) Humanities and Classics
      CLT 3370 Classical Mythology
      CLT 3378 Comparative Mythology
      HUM 3431 Ancient Humanities
      HUM 3435 Medieval Humanities
      HUM 3355 Modern Humanities
      HUM 3352 Contemporary Humanities
   c. Traditions: Religion in a Global World
      9 hrs
      Select three courses:
      HUM 3401 Asian Humanities
      HUM 3417 Hindu Thought and Culture
      HUM 3419 Islamic Thought and Culture
      HUM 3552 Christian Thought
      HUM 3553 Moses, Jesus, and Mohammed
      REL 3340 Buddhist Thought
      ANT 3245 Native American Religions
      JST 3401 The Jewish People I
      or JST 3402 The Jewish People II
   d. Applications: Topics and Issues in the Study of Religion
      6 hrs
      Select two courses:
      PHI 3033 Philosophy, Religion, and the Environment
      REL 3115 Religion, Spirituality, and Popular Music
      REL 3111 Religion and Philosophy through Film
      REL 3432 Roots of Western Mysticism
      REL 4932 Religion and Medicine
      HUM 4554 Religious Quest and the Human Dilemma
      HUM 4303 The Spiritual Ideal
      PHI 3672 Animal Ethics
   e. Applications: Topics and Issues in the Study of Religion
      9 hrs
      Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
      REL 4941 Spiritual Care Internship
      HUM 3320 Contemporary Multicultural Studies
      HUM 4301 The Classical Ideal
      HUM 4330 Performance Theory
      PHI 4321 Philosophy of Embodiment: Mind/Body/Self
      PHI 3629 Family Values
      PHI 3638 Ethical Issues in the 21st Century
      PHI 3684 Ways of Living
      PHI 3620 Philosophy of Love
      PHI 4341 Ways of Knowing
      PHI 4804 Critical Theory
      PHM 3100 Freedom and Justice
      PHP 3796 Existentialism
      AML 3615 Harlem, Haiti, and Havana
      ASH 3222 Islam and its Empires
      ASH 3223 The Modern Middle East
      JST 3100 The Hebrew Creative Mind
      JST 3125 The Book of Job
      JST 3144 Dead Sea Scrolls
      JST 3450 Modern Jewish Experience
      JST 3550 Introduction of Modernism into Judaism
      JST 3701 History of the Holocaust
      JST 3751 Literature of the Holocaust
      JST 3810 The Jewish National Movement and Roots of Zionism
      LIT 4374 Literature of the Bible
      LIT 3202 Death and Dying

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

5. Departmental Exit Requirements (3 hrs)
   a. REL 4910 Senior Seminar Requirement (3 hrs).
   b. Earn a “C” (2.0) or better in each required course.
   c. Computer Competency met by REL 4903H, REL 4910, or by STA 1060C.
   d. To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Honors in the Major
   Students considering graduate study in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:
   Core, Elective Requirements, and Senior Seminar (36 hrs)
   Same requirements as for regular majors
   Honors Thesis
   6 hrs
   REL 4903H Honors Directed Readings
   REL 4970H Honors Thesis
   Additional Requirements
   a. Application and admission through the Humanities Honors Coordinator and the Burnett Honors College
   b. Fulfill University requirements for Honors in the Major
   c. Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5
   d. Successful completion and oral defense of Honors Thesis

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.
   Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

8. University Minimum Exit Requirements
   a. 2.0 UCF GPA
   b. 60 semester hours earned after CLEP awarded
   c. 48 semester hours of upper division credit completed
   d. 30 of the last 36 hours of course work must be completed in residency at UCF
   e. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   f. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
### Suggested 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

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<td>COM 1005* req# 1A3-GEP</td>
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<td>PSC 1121* req# 1E1-GEP</td>
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<td>REL 4110*req#2b-Foundn</td>
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<td>REL 4341* req# 4 ResElect</td>
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### RESTAURANT AND FOOD SERVICE MANAGEMENT (B.S.)

#### Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu

**Dean:** Abraham Pizam

#### Degree Requirements

1. **UCF General Education Program (GEP)**
   - **(36 hrs)**
   - A. Communications Foundations: 9 hrs
   - B. Cultural and Historical Foundations: 9 hrs
   - C. Mathematical Foundations: 3 hrs
   - Select MAC 1105 College Algebra or STA 2023 Statistical Methods I
   - D. Social Foundations: 3 hrs
   - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
   - E. Science Foundation: 6 hrs

2. **Common Program Prerequisites**
   - **(3 hrs)**
   - HFT 1000 Introduction to Hospitality Management
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Foundations**
   - ECO 2023 Microeconomics (GEP)
   - STA 2023 Statistical Methods I
   - MAC 1105 College Algebra (GEP)

4. **Hospitality Management Core**
   - **(28 hrs)**
   - HFT 2401 Hospitality Financial Accounting
   - HFT 2500 Hospitality Marketing
   - HFT 2220 Hospitality Human Resources
   - HFT 3444 Hospitality Information Systems
   - HFT 3603 Legal Environment in Hospitality
   - HFT 3431 Hospitality Managerial Accounting
   - HFT 3540 Guest Services Management
   - HFT 4464 Hospitality Industry Finance
   - HFT 4286 Hospitality Communications
   - HFT 3933 Distinguished Lectures in Hospitality Mgmt

5. **Internship**
   - **(3 hrs)**
   - HFT 3940 Internship
   - HFT 4941 Internship
   - HFT 4944 Internship

6. **Restaurant Management Core**
   - **(24 hrs)**
   - FSS 2212C Quality and Participation
   - HFT 3263 Restaurant Management
   - HFT 4268 Case Studies in Restaurant Management
   - FSS 3124 Supply and Procurement Management
   - HFT 4266 Restaurant Food Management
   - HFT 4281 Restaurant Leadership Strategies and Tactics
   - HFT 4861C Beverage Management
   - HFT 4844 Sanitation in the Food Service Industry

7. **Special College 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.

8. **Restricted Electives**
   - **(15 hrs)**
   - Choose any 5 courses from the list below for a total of 15 credit hours

9. **Foreign Language Requirements**
   - **(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.)

10. **University Minimum Exit Requirements**
    - A. 2.0 UCF GPA
    - 45 hours of upper division credit completed
    - 30 semester hours of coursework completed in residency (last 30 hours) at UCF
    - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
SCIENCE EDUCATION – BIOLOGY (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/
Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561, E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (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

   (36±1 hrs)

   A. Communication Foundation

      (9 hrs)

      1. ENC 1101 English Composition I 3 hrs

      2. ENC 1102 English Composition II 3 hrs

      3. Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

   B. Cultural-Historical Foundation

      (9 hrs)

      1. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

      2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs

      3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

   C. Mathematical Foundation

      (6 hrs)

      1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs

      2. Prefer: STA 100C Basic Statistics using MS Excel or STA 2023C Principles of Statistics

   D. Social Foundation

      (6 hrs)

      1. Prefer: POS 2041 American National Government 3 hrs

      2. Prefer: PSY 2010 General Psychology 3 hrs

   E. Science Foundation

      (6±1 hrs)

      A grade of “C” (1.75) is required.

      1. Select: PSC 1121 Physical Science 3 hrs

      2. Select: BSC 2010C Biology I 4 hrs

   Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites

   (9 hrs)

   EDF 2005 Introduction to the Teaching Profession 3 hrs

   EDF 2085 Introduction to Diversity for Educators 3 hrs

   EME 2040 Introduction to Technology for Educators 3 hrs

   Note: 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.

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

3. Other Program Requirements

   (12 hrs)

   EDF 2130 Child and Adolescent Development for Educators 3 hrs

   BSC 2101C Biology I w/ Lab 3 hrs

   BSC 2101C Biology II 4 hrs

   CHM 2045C Chemistry Fundamentals I 4 hrs

   PSC 1121 Physical Science 3 hrs

   PSC 1121L Physical Science Lab 1 hr

   *Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements

   (18 hrs)

   EDF 4467 Learning Theory and Assessment 3 hrs

   EDF 4603 Analysis and Applications 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 Sec Settings 3 hrs

   RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs

   TSL 4080 Theory and Practice of Teaching ESL 3 hrs

   Students in Schools

   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 “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.

   “A” or “B” grades in all required courses 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.education.ucf.edu/clinicalex.

   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 in Kindergarten thru Grade 12, and TSL 4080 Theory and Practice of Teaching ESL in Schools.
5. Internship I Block (7 hrs)
   - SCE 4360 Science Instructional Analysis 4 hrs
   - SCE 3940 Internship I 3 hrs

6. Specialization Requirements (25 hrs)
   - CHM 2205 Intro to Organic and Biochemistry 5 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Lab 1 hr
   - PCB 3044 Ecology 3 hrs
   - PCB 3044L Ecology Lab 1 hr
   - MCB 3020C Microbiology 5 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs
   - PCB 3703C Human Physiology or 4 hrs
   - ZOO 3733C Human Anatomy or 4 hrs
   - PCB 3063 and Genetics 3 hrs
   - PCB 3063L Genetics Lab 1 hr

   At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

   - Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

7. Internship II (12 hrs)
   - SCE 4941 Internship II 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-5.066.

8. Foreign Language Requirements (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.)

9. 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.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - 25% of course work must be completed in residency at UCF
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Academic Advisor and review your degree audit for more recent information.

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

12. Recommended Four Year Sequence of Courses

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>12 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3 hrs</td>
<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3 hrs</td>
<td>ENC 1102 English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
<td>PHI 2010 Intro to Philosophy</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>PSC 1121L Physical Science Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPC 1608 Fund of Oral Comm</td>
<td>3 hrs</td>
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<tr>
<td>Summer</td>
<td>6 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Gov</td>
<td>3 hrs</td>
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Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
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<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
<td>AMH 2020 US History 1877-present</td>
<td>3 hrs</td>
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<tr>
<td>BSC 2010C Biology I w/Lab</td>
<td>4 hrs</td>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
<td>CHM 2205 Intro Organic &amp; Biochem</td>
<td>5 hrs</td>
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<tr>
<td>STA 2014C Principles of Statistics or</td>
<td></td>
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<tr>
<td>STA 1060C Basic Stats using MS Excel</td>
<td>3 hrs</td>
<td>EDF 2130 Child and Adler Dev Ed*</td>
<td>3 hrs</td>
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</table>

   *Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

   - Summer | 3 hrs |
   | TSL 4080 Theory & Prac of Teach | 3 hrs |
   | ESOL Students in Schools | | |

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>EDF 4467 Learn Theory &amp; Asmt</td>
<td>3 hrs</td>
<td>MCB 3020C Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>EDG 4410 Teach Strat &amp; Class Mgmt</td>
<td>3 hrs</td>
<td>CHM 2046 Chemistry Fund. II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044 Ecology</td>
<td>3 hrs</td>
<td>CHM 2046L Chemistry Fund. Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3044L Ecology Lab</td>
<td>3 hrs</td>
<td>SPC 4361 Prog in Teach Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology or</td>
<td>4 hrs</td>
<td>PCB 3063C Human Anatomy or</td>
<td></td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy or</td>
<td>4 hrs</td>
<td>PCB 3063L Genetics</td>
<td></td>
</tr>
<tr>
<td>PCB 3063 Genetics and</td>
<td></td>
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<tr>
<td>PCB 3063L Genetics Lab</td>
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</tr>
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</table>

   - Summer | 3 hrs |
   | RED 4043 Content Reading K-12 | 3 hrs |

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
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<tbody>
<tr>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safe Issues in Sch</td>
<td>3 hrs</td>
<td>SCE 4941 Internship II</td>
<td>12 hrs</td>
</tr>
<tr>
<td>SCE 3940 Internship I</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCE 4280 Science Instructional Analysis</td>
<td>4 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEK 4242 Teaching Exceptional</td>
<td>3 hrs</td>
<td>Students in Secondary Settings</td>
<td></td>
</tr>
</tbody>
</table>

SCIENCE EDUCATION - CHEMISTRY (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561, E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (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 (36+1 hrs)

   | A. Communication Foundation | (9 hrs) |
   | 1. ENC 1101 English Composition I | 3 hrs |
   | 2. ENC 1102 English Composition II | 3 hrs |
   | 3. Select: PHI 1141, PHI 1142 or PHI 1143 | 3 hrs |

   | B. Cultural-Historical Foundation | (9 hrs) |
   | 1. Select: AMH 1101 U.S. History 1492-1877 | 3 hrs |
   | 2. Select: PHI 1141, PHI 1142 or PHI 1143 | 3 hrs |

   | C. Mathematical Foundation | (6 hrs) |
   | 1. Select: MAC 1114 College Trigonometry | 3 hrs |
   | 2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics | 3 hrs |
UCF Degree Programs

D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation (6+1 hrs)
A grade of "C-" (1.75) is required.
1. Select: BSC 2010C Biology I 4 hrs
2. Select: PSC 1121 Physical Science 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diver-
sity focus is required. The foreign language admission requirement may be used to
meet this requirement.

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

3. Other Program Requirements (8 hrs)
EDP2130 Child & Adolescent Development for Educators 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
BSC 2010C Biology I 3 hrs
MAC 1114 College Trigonometry 3 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select
courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)
EDF 4467 Teaching Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Mgmt 3 hrs
EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Program Internship I Prerequisites: EDF 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 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/clinicalxp/

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.

5. Internship I Block (7 hrs)
SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship I 3 hrs

6. Specialization Requirements (29 hrs)
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Lab 1 hr
PHY 2053C College Physics I 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Lab 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Intro to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 4361 Programs in Teaching Science 3 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.

7. Internship II (12 hrs)
SCE 4942 Internship II 12 hrs

Satisfactory completion of Internship II requires the student to demonstrate
proficiency in all 12 Florida Educator Accomplished Practices at the pre-profes-
sional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (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 admit-
ted to the University without the required two units of foreign lan-
guage in high school.)

9. 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, reflec-
tion, and proficiency in the 12 Florida Educator Accomplished
Practices.

Pass all applicable sections of the Florida Teacher Certification
Examination.

10. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in
residency at UCF

25% of course work must be completed in residency at UCF

Complete the General Education Program, the Gordon Rule, the
CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for
more recent information.

Program Academic Learning Compacts

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

12. Recommended Four Year Sequence of Courses

Freshman Year
Fall 13 hrs Spring 12 hrs
EDF 2005 Intro to the Teaching Prof 3 hrs EDF 2085 Intro to Diversity for Ed 3 hrs
ENC 1101 English Composition I 3 hrs ENC 1102 English Composition II 3 hrs
PSC 1121 Physical Science 3 hrs PSC 1121L Physical Science Lab 1 hr
PSC 1121L Physical Science Lab 1 hr PHI 2010 Intro to Philosophy 3 hrs
EDG 2005 Intro to the Teaching Prof 3 hrs PSY 2012 General Psychology 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs Summer 6 hrs
SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship I 3 hrs

Sophomore Year
Fall 14 hrs Spring 13 hrs
AMH 2010 U.S. History 1492-1877 3 hrs AMH 2021 U.S. History 1877-present 3 hrs
BSC 2010C Biology I wLab 4 hrs BSC 2010C Biology I wLab 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs CHM 2046L Chemistry Fund II Lab 1 hr
EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs EDF 2130 Child and Adol Dev Ed* 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs STA 2014C Prin of Statistics or 3 hrs
Summer 4 hrs
SCE 3940 Internship I 3 hrs

Junior Year
Fall 16 hrs Spring 14 hrs
EDF 4467 Learn Theory & Assmnt 3 hrs CHM 2211 Organic Chemistry II 3 hrs
EDG 4410 Teach Strat & Class Mgmt 3 hrs EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading K-12 3 hrs
CHM 2210 Organic Chemistry I  
CHM 3120 Analytical Chemistry  
CHM 3120L Analytical Chemistry Lab

Summer 3 hrs
TSL 4080 Theory & Prac of Teach ESOL 3
Students in Schools

Senior Year
Fall 13 hrs  Spring 12 hrs
BCH 4053 Biochemistry I  3 SCE 4941 Internship II 12
EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
SCE 3940 Internship I 3
SCE 4360 Science Instructional Analysis 4

SCIENCE EDUCATION - PHYSICS (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/
Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561
E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (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 (36+1 hrs)
   A. Communication Foundation (9 hrs)
      1. ENC 1101 English Composition I 3 hrs
      2. ENC 1102 English Composition II 3 hrs
      3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundation (9 hrs)
      1. Prefer AMH 2010 U.S. History 1877-present 3 hrs
      2. Prefer PH 2010 Introduction to Philosophy 3 hrs
      3. Prefer AMH 2020 U.S. History 1877-present 3 hrs
   C. Mathematical Foundation (6-1 hrs)
      1. Select: MAC 2311 Calculus with Analytic Geometry I 4 hrs
      2. Prefer STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
   D. Social Foundation (6 hrs)
      1. Prefer POS 2041 American National Government 3 hrs
      2. Prefer PSY 2012 General Psychology 3 hrs
   E. Science Foundation (6 hrs)
      A. A grade of "C" (1.75) is required.
      1. Select: SPC 1121 Physical Science 3 hrs
      2. Prefer: ANT 2511 The Human Species or Species BSC 1005 Biological Principles 3 hrs

2. Education Common Program Prerequisites (9 hrs)
   Note: Students are advised to take the preferred courses.
   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
   Note: 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.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Other Program Prerequisites (8 hrs)
   EDF 2130 Child & Adolescent Development for Educators 3 hrs
   PHY 2048 Physics for Engineers and Scientists I 3 hrs
   PHY 2048L Physics Lab for Engineers and Scientists I 1 hr
   PSC 1121 Physical Science 1 hr
   PSC 1121L Physical Science Lab 1 hr
   MAC 2311 Calculus with Analytic Geometry I 3 hrs

4. Education Core Requirements (18 hrs)
   EDF 4467 Learning Theory and Assessment 3 hrs
   EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
   EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   EEX 4242 Teaching Exceptional Students 3 hrs
   RED 4043 Content Reading K-12 3 hrs
   TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   Students in Schools

5. Internship I Block (7 hrs)
   SCE 3940 Science Instructional Analysis 4 hrs
   SCE 3940 Internship I 3 hrs

6. Specialization Requirements (29 hrs)
   CHM 2045 Chemistry Fundamentals I 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals II Lab 1 hr
   MAC 2312 Calculus w/Analytic Geometry II 4 hrs
   MAC 2313 Calculus w/Analytic Geometry III 4 hrs
   PHY 2049 Physics for Engineers & Scientists II 3 hrs
   PHY 2049L Physics Lab for Engineers & Scientists II 1 hr
   PHY 3101 Physics for Engineers & Scientists III 3 hrs
   SCE 4361 Programs in Teaching Science 3 hrs
   PHY 3752C Physics of Scientific Instruments or 3 hrs
   PHY 3722C Physics Laboratory Electronics 3 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 I.
   Passing score on the Subject Area Exam (Physics 5-12) 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/.

7. Internship II (12 hrs)
   SCE 4941 Internship II 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-5.066.

8. Foreign Language Requirements (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.)
### UCF Degree Programs

9. **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.

10. **University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. **Total Program Semester Hours Required**
- 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

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

### 12. Recommended Four Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 100C Basic Stats using MS Excel or STA 1041 Principles of Statistics</td>
<td>3 hrs</td>
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<table>
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<tr>
<th>Spring</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>MAC 2311 Cal with Anal Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>EDF 2045 Intro to Diversity for Educ</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1102 English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010 Intro to Philosophy</td>
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#### Summer

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<th>6 hrs</th>
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<tbody>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
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<tr>
<td>POS 2041 American Gov</td>
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#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Cal w/Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one: ANT 2511 The Human Species or BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Winter

<table>
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</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2045 Intro to Diversity for Educ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010 Intro to Philosophy</td>
<td>3 hrs</td>
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</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safety Issues in Sch</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 3840 Internship I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 3860 Science Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 372C Physics of Sci Instruments or PHY 3722C Physics Lab Electronics</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4941 Internship II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4941 Internship II</td>
<td>3 hrs</td>
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<tr>
<td>PHY 4603 Analysis &amp; Application of Eth, Legal, &amp; Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory &amp; Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading Kindergarten thru Grade 12</td>
<td>3 hrs</td>
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</tbody>
</table>

### SOCIAL SCIENCE EDUCATION (B.S.)

**College of Education**

**Department of Teaching and Learning Principles, ED 209**

**Program Coordinator:** Dr. Scott Waring, ED 123H, 407-823-1766, E-mail: swaring@mail.ucf.edu

**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 and/or CLAST examination (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.

**Degree Requirements**
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program
- (36 hrs)
  - A. Communication Foundation
    - 1. ENC 1101 English Composition I | 3 hrs
    - 2. ENC 1102 English Composition II | 3 hrs
    - 3. Prefer SPC 1608 Fundamentals of Oral Communication | 3 hrs
  - B. Cultural-Historical Foundation
    - 1. Select: AMH 1010 U.S. History 1492-1877 | 3 hrs
    - 2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs
  - C. Mathematical Foundation
    - 1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 | 3 hrs
    - 2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2041 Principles of Statistics | 3 hrs
  - D. Social Foundation
    - 1. Select: POS 2041 American National Government | 3 hrs
    - 2. Select: PSY 2012 General Psychology | 3 hrs
  - E. Science Foundation
    - 1. Prefer: PSC 1121 Physical Science | 3 hrs
    - 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles | 3 hrs

**Note:** Students are advised to take the preferred courses.

#### 2. Education Common Program Prerequisites
- (9 hrs)
  - EDF 2005* Introduction to the Teaching Profession | 3 hrs
  - EDF 2045* Introduction to Diversity for Educators | 3 hrs
  - EME 2040 Introduction to Technology for Educators | 3 hrs

**Note:** In addition to EDF 2045, 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.

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

#### 3. Other Program Requirements
- (9 hrs)
  - EDF 2130* Child & Adolescent Development for Educators | 3 hrs
  - SYG 2000 General Sociology | 3 hrs
  - ECO 2013 Macroeconomics | 3 hrs

**Note:** Student should consult advisor regarding course options.

*Transfer Notes:* Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

#### 4. Education Core Requirements
- (18 hrs)
  - EDF 4410 Teaching Strategies and Classroom Management | 3 hrs
  - EDF 4467 Learning Theory and Assessment | 3 hrs
  - EDF 4603 Analysis and Applications of Eth, Legal, & Safety Issues in Schools | 3 hrs
  - TSL 4080 Theory of Practice of Teaching ESOL | 3 hrs
  - EED 2042 Teaching Exceptional Students in Secondary Settings | 3 hrs
  - RED 4043 Content Reading Kindergarten thru Grade 12 | 3 hrs
9. 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.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required
- 120 hrs
- Consult with your Education advisor and review your degree audit for more recent information.

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

12. Recommended Sequence of Program Courses:
Freshman Year
Fall 12 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3
- ENC 1101 English Composition I 3
- MGF 1106 Finite Mathematics 3
- PSY 2012 General Psychology 3
- SSE 4941 Internship II 12

Spring 12 hrs
- EDF 2085 Intro to the Teaching Prof 3
- ENC 1102 English Composition II 3
- POS 2041 American National Gov 3
- Select one: ANT 2511 The Human Species or BSC 1005 Biological Principles 3

Sophomore Year
Fall 15 hrs
- AMH 2010 U.S. History 1492-1877 3
- ECO 2013 Macroeconomics 3
- PSC 1121 Physical Science 3
- SYG 2000 General Sociology 3
- STA 1000C Basic Stat using MS Excel or STA 2014C Principles of Statistics 3

Spring 12 hrs
- AMH 2020 U.S. History 1877-Present 3
- ECO 2023 Microeconomics 3
- EDF 2130 Child and Adolesc Dev 3
- PHI 2010 Intro to Philosophy 3

Junior Year
Fall 15 hrs
- SSE 4936 Programs in Teaching Social Science 3
- GEO 3471 World Political Geography 3
- EUH 2000 Western Civilization I 3
- EUH 2001 Western Civilization II 3
- AMH 2010 U.S. History 1492-Present 3
- AMH 2020 U.S. History 1877-Present 3
- POS 2041 American National Gov 3
- POS 2041 American National Gov 3
- PSY 2012 General Psychology 3

Spring 12 hrs
- SSE 4941 Internship II 12
- EDF 4477 Theory & Assess 3
- EDF 4467 Teach Strat & Class Mgmt 3
- SSE 4936 Prog Teach Syllabus Social Science 3
- EUH 2001 Western Civilization II 3
- SSE 4936 Prog Teach Syllabus Social Science 3
- AMH 2010 U.S. History 1492-Present 3
- AMH 2020 U.S. History 1877-Present 3
- Upper Div Non Western History Elective (AMH 3/4XXX) 3

Senior Year
Fall 12 hrs
- EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
- EX 4242 Teaching Exceptional Students in Secondary Settings 3
- American History Elective 3
- Upper Div Non Western History Elective 3

Spring 12 hrs
- SSE 4941 Internship II 12
- SSE 4941 Internship II 12

SPECIAL EDUCATION (B.S.)

College of Sciences
Department of Sociology
University of Central Florida

Contact: J. Corzine, 407-823-3744
E-mail: sociology@ucf.edu

The Social Sciences program offers students an opportunity to become acquainted with the various fields of the Social Sciences and to better understand the relationships among those fields. Satisfactory completion of the program leads to the degree Bachelor of Science with a major in Social Sciences. The program is administered through the Department of Sociology in the College of Sciences.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
UCF Degree Programs

- Students must declare a Social Sciences major prior to their senior year.
- Students should consult with a Sociology advisor when entering the program.
- Co-op and internships credit cannot be used in this major.
- Independent study forms must be approved by the department prior to taking an independent study for use in the Restricted Elective areas. Non-approved independent studies will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core requirement and restricted elective course.
- Residency Requirement: Students must complete at least 30 hours of regularly scheduled 3000-4000 level courses that are used in the major at UCF.
- 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 (36 hrs)
   - A. Communication Foundations
     - Communication Research Methods
     - Select one course
     - RTV 3081
     - RTV 4033
     - JOU 3024
     - History of American Journalism
     - Select three more Communication courses
   - B. Cultural and Historical Foundations
     - American National Government
   - C. Mathematical Foundations
     - Select STA 1060C or STA 2014C or STA 2023
   - D. Social Foundations
     - Select ECO 2023 or POS 2041, depending on concentration to be followed
     - Select ANT 2000 or PSY 2012 or SYG 2000, depending on concentration to be followed
   - E. Science Foundations
     - Select SYG 2000, depending on concentration to be followed

2. Common Program Prerequisites (9 hrs)
   - ECO 2023 or POS 2041
   - ANT 2000 or PSY 2012 or SYG 2000
   *See Transfer Notes
   *See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (3 hrs)
   - STA 1060C or STA 2014C or STA 2023
   - Select one course
     - POS 3073
     - Scope and Methods of Political Science
   - PSY 3213C
     - Research Methods in Psychology
   - SYA 430C
     - Research Methods (Sociology)

4. Restricted Electives (60 hrs)
   - Select a minimum of 15 semester hours in each of the following six Social Science disciplines.
   - Select no more than two lower level Social Science courses (designated with an asterisk) in any one area in the Restricted Elective section.
   - A. Communication
     - COM 3311
     - Communication Research Methods
     - Select one course
     - RTV 3081
     - RTV 4033
     - JOU 3024
     - History of American Journalism
     - Select three more Communication courses
   - B. Economics
     - *ECO 2013
     - Principles of Macroeconomics
     - *ECO 2023
     - Principles of Microeconomics
     - Select three more Economics courses
   - C. Political Science
     - *POS 2041
     - American National Government
     - Select four more Political Science courses
   - D. Psychology
     - *PSY 2012
     - General Psychology
     - PPE 3003
     - Personality Theory
     - Select three more Psychology courses
   - E. Public Affairs
     - Select one course
     - CCJ 3024
     - Criminal Justice System
     - PLA 3013
     - Law and the Legal System
     - Select three additional Sociology/Anthropology courses
   - F. Sociology/Anthropology
     - SYG 2000
     - General Sociology
     - *ANT 2000
     - General Anthropology
     - Select three additional Sociology/Anthropology courses

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in each of four Social Science disciplines
   - Computer Competency is met by the major
   - Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
   - Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension.
   - Standardized examinations may be used to meet the requirement.

7. Electives (variable)
   - Select primarily from upper level courses, with a Sociology advisor’s approval.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Anthropology, Liberal Arts, Political Science, Public Administration, Psychology, Sociology

Related Minors: Anthropology, Communication, Economics, Political Science, Psychology, Public Administration, Sociology

Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

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 WORK (B.S.W.)

College of Health and Public Affairs
HPA 204, 407-823-2114
http://www.coehpa.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
Director: John Ronnau;
Undergraduate Program Coordinator: Robin Kohn

Admission Requirements
- Limited Access
- 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 CLAST
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)

- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

**Degree Requirements**

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students must complete the General Education Program, the CLAST and the Common Program Prerequisite Requirements before beginning the Social Work Program.
- Students must complete all the requirements listed in 1-11 below.

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

A. Communication Foundations
   - Prefer SPC 1608
   - 9 hrs

B. Cultural Historical Foundations
   - 9 hrs

C. Mathematical Foundations
   - Select MGF 1106 or MGF 1106 Finite Math or MGF 1107
   - 6 hrs

D. Social Foundations
   - Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   - 6 hrs

**2. Common Program Prerequisites**

- 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.

**3. Core Requirements (45 hrs)**

- Select MGF 1106 Finite Math or MGF 1107
- Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- A 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 CLAST and nine hours of Summer credit (if applicable).

**4. Required Social Work Elective**

- 3 hrs

**5. Required Principles of Statistics**

- 3 hrs

**6. Electives (variable)**

**7. Foreign Language or Cultural Diversity Requirement**

Choose two of the following suggested courses: ANT 4332, ANT 3363, ANT 2410, ANT 3640, ASH 4404, ASH 4442, CPO 4303, HUM 3401, HUM 3417, HUM 3419, JST 3401, JST 3402, JST 3820, LAH 3130, LAH 3200, LAH 3400, LAH 3470, AMH 3561, AMH 3571, AMH 3586, ANT 3302, ANT 3311, ANT 3313, SOP 3724, SOP 3742, ASL 3444, SYD 3700, EDF 2085, HSC 3593, or see advisor for more options.

**8. Foreign Language Requirements** (0-8 hrs)

**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.

**9. Departmental Exit Requirements** (120 hrs)

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.

**10. University Minimum Exit Requirements**

- A UCF GPA of 2.0
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A 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 CLAST and nine hours of Summer credit (if applicable).

**Related Programs:** Criminal Justice, Psychology, Public Administration, Sociology.

**Certificates:** Aging Studies, Children’s Services, Addictions.

**Related Minors:** Health Services Administration, Aging Studies, Psychology, Sociology, Non-Profit Management/American Humanics.

**Honors in the Major Requirements**

1. Complete a three-credit directed reading course/or a three-credit COH/PA Interdisciplinary Honor course.
2. Complete a three-credit thesis course.
3. Earn a 3.5 GPA in your Social Work major.
4. Earn a cumulative 3.2 GPA in your total UCF courses.
5. Complete 60 hours of college credit, including 12 upper division hours at UCF.

**Transfer Notes:**

Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each):

- American Government or American National Government
- Psychology, Sociology, Non-Profit Management/American Humanics.
- Economics (Microeconomics or Macroeconomics)
- Introductory Psychology
- Introductory Sociology
- Principles of Statistics

**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](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

**Tentative Course Schedule for Entering Freshmen**

**Freshman Year**

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<th>Fall</th>
<th>14 hrs</th>
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<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
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<tr>
<td>SBS 1005</td>
<td>3</td>
<td>MGF 1106</td>
<td>3</td>
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<td>SYG 2000 or PSY 2012</td>
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<td>MUL 2010 or THE 2000</td>
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<td>PAF 2102</td>
<td>2</td>
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<td></td>
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**Sophomore Year**

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<th>15/16 hrs</th>
<th>Spring</th>
<th>15/16 hrs</th>
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<tr>
<td>ECO 2013 or ECO 2023</td>
<td>3</td>
<td>Foreign Lang II or</td>
<td>3/4</td>
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<tr>
<td>EUH 2000 or WOH 2012 or HUM 2210 or AMH 2100</td>
<td>3</td>
<td>Cult. Diversity</td>
<td>3</td>
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<tr>
<td>SPC 1608</td>
<td>3</td>
<td>CHM 1020 or PSC 1121 or AST 2002</td>
<td>3</td>
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<tr>
<td>SOW 2020</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
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<tr>
<td>Foreign Lang I or Cult. Diversity</td>
<td>3/4</td>
<td>EUH 2001 or</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>HUM 2230 or AMH 2020 Elective</td>
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</tbody>
</table>

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SOCIOLOGY (B.A.)

College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu

Contact: J. Corzine, 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 presentation 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, 6907, 4912, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

A. Communication Foundations
B. Cultural and Historical Foundations
C. Mathematical Foundations
1. Prefer MAC 1105 (or higher)
2. Prefer STA 2014C
D. Social Foundations
1. Select a listed course
2. Select SYG 2000
E. Science Foundations

2. Common Program Prerequisites
SYG 2000* General Sociology
Any SYA, SYD, SYG, SYO, or SYP course

3. Core requirements

4. Restricted Electives

Select from the following:
SYA 3120 Modern Sociological Thought
SYA 4650C Applied Sociology
SYA 5625 Proseminar
SYA 5937 Advanced Population
SYD 3410 Urban Sociology
SYD 3700 Race & Ethnic Minorities in the US
SYD 3800 Sex Roles in Modern Society
SYD 4020 Population
SYD 4510 Environmental Sociology
SYD 4810 Women in Contemporary Society
SYD 4813 Women and Social Policy
SYG 2010 Social Problems
SYG 3900 Modern Sociology
SYO 3360 Social Organization & Human Relations
SYO 3410 Sociology of Mental Illness
SYO 3530 Social Stratification
SYO 4100 Family Trends
SYO 4200 Sociology of Religion
SYO 4250 Sociology of Education
SYO 4300 Political Sociology
SYO 4400 Medical Sociology
SYP 3300 Collective Behavior
SYP 3400 Social Change
SYP 3510 Sociology of Deviant Behavior
SYP 3511 Sociology of Murder
SYP 3520 Criminology
SYP 3530 Juvenile Delinquency
SYP 3540 Sociology of Law
SYP 3551 Sociology of Alcoholism
SYP 3562 Sociological Perspectives on Domestic Violence
SYP 3602 Sociology of Popular Music
SYP 3630 Sociology of Popular Culture
SYP 3650 Sociology and Sport
SYP 4000 Sociological Social Psychology
SYP 4004 Constructing Social Issues
SYP 4514 Sociology of Violence
SYP 4521 Criminal Victimization in Society
SYP 4536 Gangs and Society
SYP 4550 Sociology of Drug Abuse
SYP 4730 Sociology of Aging
SYP 4732 Minority Aging
SYP 5525 Sociological Criminology

Eligible students may enroll for 3 to 6 semester hours of Internship in SYA 3940, SYA 4941, or SYA 5944. Arrangements for Internships are coordinated by the Department Internship Supervisor and require prior approval.

5. Departmental Exit Requirements

A. A minimum GPA of 2.0 in all courses used for the major.
B. A minimum grade of “C” (2.0) in all core courses.
C. Computer Competency met by SYA 4450.
D. Students will be required to take a standard exit exam in their graduating semester.
Related Minors:
- African-American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Canadian Studies
- Judaic Studies
- Latin American Studies
- Russian Area Studies
- Sociology
- Women’s Studies

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).
- SYG 2000*: although the CPP accepts any lower division sociology course, students should realize that SYG 2000 is a prerequisite for subsequent courses.

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 Fee
- Full-time Student ........................................ $15 per term
- Part-time Student ........................................... $7.50 per term

Suggested 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.

Summer
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year
Fall
ENC 1101 Composition I 3
MAC 1105* req# 1C1-GEP 3
SYG 2000 General Sociology 3
SPN 1120C* req# Lang/Elect 3
POS 2041* req# 1D1-GEP 3
Sophomore Year
Spring
ENC 1102 Composition II 3
STA 2014C Print of Statistics 3
SYG 2010 Social Problems 3
SPN 1121C* req# Lang/Elect 3
Senior Year
Fall
SYA 3120* req# 4-ResElect 3
SYO 3503* req# 4-ResElect 3
Elec* Check restrictions 3
Elective* Check restrictions 3
Spring
SYA 3120* req# 4-ResElect 3
SYO 3503* req# 4-ResElect 3
Elec* Check restrictions 3
Elective* Check restrictions 3

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A 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 CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs:
- Anthropology, Criminal Justice
- African-American Studies, American Studies, Anthropology in Multicultural Studies, Asian Studies, Canadian Studies, Judaic Studies, Latin American Studies, Russian Area Studies, Sociology, and Women’s Studies

Department of Modern Languages & Literatures
CNH 523
http://mla.cah.ucf.edu/
E-Mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Admission Requirements
- 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. 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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 hours must be taken in Modern Language courses taught in Spanish
- Students must earn at least a “C” (2.0) in each upper division Spanish course
- 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 (36 hrs)

A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)

SPN 1120C* ELEM SPANISH LANG & CIV I 4 hrs
SPN 1121C* ELEM SPANISH LANG & CIV II 4 hrs
SPN 2200* INTERM SPANISH LANG & CIV 3 hrs
SPN 3234* ADVANCED DIRECTED READINGS 3 hrs

May be met by proficiency test or completion of SPN 3234

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

3. Core requirements (15 hrs)

SPN 3300* ADV SPANISH GRAM & COMP 3 hrs
SPN 3420* SPANISH COMPOSITION 3 hrs
SPN 3760* ADV SPANISH ORAL COMM 3 hrs
SPW 3100 & 3101 SURVEY OF SPANISH LITERATURE 6 hrs

SPW 3130 & 3131 SURVEY OF LATIN-AMERICAN LITERATURE

*A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.
### UCF Degree Programs

#### 4. Upper Division Restricted Electives (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOL 3730</td>
<td>Romance Philology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4801</td>
<td>Spanish Morphology</td>
<td></td>
</tr>
<tr>
<td>SPN 4800</td>
<td>Spanish American Syntax</td>
<td></td>
</tr>
<tr>
<td>SPN 4780</td>
<td>Spanish Phonetics</td>
<td></td>
</tr>
<tr>
<td>SPN 3852</td>
<td>Bilinguismo</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spanish literature beyond the survey level</td>
<td>6 hrs</td>
</tr>
<tr>
<td></td>
<td>(taught in Spanish)</td>
<td></td>
</tr>
<tr>
<td>SPN 4510</td>
<td>Spanish Civ &amp; Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Latin American Civ &amp; Culture</td>
<td></td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Spanish courses</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

#### 5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 36 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 CGS 1060C or equivalent

#### 6. Foreign Language Requirements (0-16 hrs)

Admission: Met by Graduation requirements.
Graduation: Met by Common Program Prerequisites.

#### 7. Electives (variable)

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

#### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

120 hrs

### UCF Programs

#### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://pegasus.cc.ucf.edu/~sportfit/academic_learning_compacts.htm

#### Suggested 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

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 200* req# 1D2-GEP</td>
<td>ENC 1102 req# 1C2-GEP</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>STA 1060C req# 1C2-GEP</td>
</tr>
<tr>
<td>MGF 1106* req# 1C1-GEP</td>
<td>SPN 1112C req# 2-CPP</td>
</tr>
<tr>
<td>SPN 1120C req# 2-CPP</td>
<td>ElectiveCheck restrictions</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010* req# 1B1-GEP</td>
<td>BSC 1005* req# 1E2-GEP</td>
</tr>
<tr>
<td>ARH 2050* req# 1B2-GEP</td>
<td>MUL 2010* req# 1B2-GEP</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>COM 1000* req# 1A3-GEP</td>
</tr>
<tr>
<td>SPN 3760 Adv Spa Oral Com</td>
<td>Elective Check restrictions</td>
</tr>
<tr>
<td></td>
<td>Elective Check restrictions</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300 Adv Spa Gram Comp</td>
<td>SPW 3101* req# 3-Core</td>
</tr>
<tr>
<td>SPN 3420 Spanish Comp</td>
<td>SPN 4780* req# 4a-ResElec</td>
</tr>
<tr>
<td>SPN 3760 Adv Spa Oral Com</td>
<td>SPN 3141* req# 4d-ResElec</td>
</tr>
<tr>
<td>ElectiveCheck restrictions</td>
<td>Elective Check restrictions</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td>Elective Check restrictions</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td>Elective Check restrictions</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100* req# 3-Core</td>
<td>SPW 3131* req# 4b-ResElec</td>
</tr>
<tr>
<td>SPN 4520* req# 4c-ResElec</td>
<td>SPW 4381* req# 4b-ResElec</td>
</tr>
<tr>
<td>SPN 5705* req# 4d-ResElec</td>
<td>SPN 4410* req# 4d-ResElec</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td>Elective Check restrictions</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td>Elective Check restrictions</td>
</tr>
<tr>
<td>Elective Check restrictions</td>
<td>Elective Check restrictions</td>
</tr>
</tbody>
</table>

### SPORTS AND FITNESS (B.S.)

#### College of Education

Department of Child, Family and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~sportfit/
Program Coordinator: Dr. Debby Mitchell, ED 320H;
E-mail: mitchell@mail.ucf.edu

#### 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; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- 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. The courses designated in 1. (General Education), 2. (Sports and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C-" (1.75) in each required course and maintain an overall GPA of at least a 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

#### 1. UCF General Education Program (36+1 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ENC 1101</td>
<td>English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. ENC 1102</td>
<td>English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1. Prefer: AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Elective from GEP section B 2</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>3. Prefer: AMH 2020 U.S. History 1877-present</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1. Prefer: MGF 1106 Finite Mathematics or MGF 1107</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Choose an area of specialization listed and described below.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 2. (Sports and Fitness Lower Division)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: PSC 1121 Physical Science</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Select: BSC 2010C Biology I</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### 3. (Lower Division Electives) should complete the following:

- Arts and Humanities: A minimum of 20 lower division credits in the humanities.
- Science: A minimum of 8 lower division credits in the sciences.
- Mathematics: A minimum of 3 lower division credits in mathematics.

#### 4. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)
## 2. Lower Division Electives
(13 hrs)
Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3137</td>
<td>Concepts and Practices in Sports and Fitness</td>
<td>3</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sports and Fitness</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4</td>
</tr>
</tbody>
</table>

## 3. Sports and Fitness Pre-requisite Courses
(3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3137</td>
<td>Concepts and Practices in Sports and Fitness</td>
</tr>
</tbody>
</table>

Note: Students who transfer from another institution may be permitted to take the pre-requisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sports and Fitness program.

## 4. Sports and Fitness Co-requisite Courses
(7 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
</tr>
</tbody>
</table>

Note: BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sports and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

## 5. Sports & Fitness Core
(9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM 3504</td>
<td>Fiscal and Facilities Issues in Sports and Fitness</td>
</tr>
<tr>
<td>PET 4401</td>
<td>Administration &amp; Evaluation in Physical Education</td>
</tr>
<tr>
<td>SPM 4723</td>
<td>Legal Issues in Sports and Fitness</td>
</tr>
</tbody>
</table>

## 6. Specialization
(33 hrs)

### Select one Specialization and Electives – approved by advisor

#### Coaching

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Fitness and Conditioning Concepts</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
</tr>
<tr>
<td>PET 4312</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods and Principles</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sports and Fitness</td>
</tr>
</tbody>
</table>

#### Select six hours of electives (as approved by Advisor)
(9 hrs)

#### Physical Activity & Movement for Children

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAE 3370</td>
<td>Dance and Rhythms</td>
</tr>
<tr>
<td>PEO 3041</td>
<td>Games Analysis</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
</tr>
<tr>
<td>PET 4312</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>Applied Exercise and Human Physiology</td>
</tr>
<tr>
<td>PET 4550</td>
<td>Fitness Assessment</td>
</tr>
</tbody>
</table>

Select twelve hours of electives (as approved by Advisor)
(12 hrs)

#### Physical Human Performance

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3361</td>
<td>Nutrition for Sports and Fitness</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Fitness and Conditioning Concepts</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
</tr>
<tr>
<td>PET 4312</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>Applied Exercise and Human Physiology</td>
</tr>
<tr>
<td>PET 4550</td>
<td>Fitness Assessment</td>
</tr>
<tr>
<td>PET 4625</td>
<td>Human Injuries - Mechanisms and Prevention</td>
</tr>
</tbody>
</table>

Select twelve hours of electives (as approved by Advisor)
(12 hrs)

### Fitness Training

#### Select nine hours of electives (as approved by Advisor)
(9 hrs)

#### Recreation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 3041</td>
<td>Games Analysis</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Fitness and Conditioning Concepts</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
</tr>
</tbody>
</table>

Select twelve hours of electives (as approved by Advisor)
(12 hrs)

PET 4002 Outdoor and Leisure Activities 3 hrs
SPM 3304 Sports and Ethics 3 hrs
SPM 3415 Public Relations in Sports and Fitness 3 hrs
Select nine hours of electives (as approved by Advisor) 9 hrs

Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sports and Fitness course).

## 7. Sports & Fitness Practica
(18 hrs)

### Selected Practica

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4925</td>
<td>Sports and Fitness Practicum I</td>
</tr>
<tr>
<td>PET 4926</td>
<td>Sports and Fitness Practicum II</td>
</tr>
</tbody>
</table>

During the final year of the program, students will complete Practicum requirements with a Sports and Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization. In both Practicum I and Practicum II, the student 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 Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations.

Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.

The student 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 Sports and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the student 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.

### 8. Foreign Language
(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.)

### 9. Exit Requirements
- A minimum overall GPA of 2.5.
- 48 semester hours of upper division credit completed.
- 30 semester hours in regular courses completed at UCF.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sports and fitness event.
- Successful completion of 18 hours of Practicum Experiences.

### 10. Total Program Semester Hours Required
120 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

## 11. Recommended Four-Year Sequence of Courses

### Freshman Year

#### Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Gov.</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fund of Oral Comm</td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
<tr>
<td>STA 2016C</td>
<td>Intro to Computer Sci</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Human Anatomy with Lab 4 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year

#### Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP B.1</td>
<td></td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Stats using MS Excel or</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fund of Oral Comm</td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
</tr>
<tr>
<td>GEP B.1</td>
<td></td>
</tr>
<tr>
<td>PET 3305C</td>
<td>Concepts &amp; Pract in Sports &amp; Fitness</td>
</tr>
<tr>
<td>CCS 1090C</td>
<td>Intro to Computer Sci</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Human Anatomy with Lab 4 hrs</td>
</tr>
</tbody>
</table>

Select nine hours of electives (as approved by Advisor) 9 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

UCF Degree Programs

259
UFC Degree Programs

Summer 6 hrs
GEP B.2 3 hrs
Elective 3 hrs

Junior Year
Fall 12 hrs
SPM 4723 Legal Issues in Sports & Fit 3 hrs Specialization course 3 hrs Specialization course 3 hrs
PET 4401 Administration & Evaluation 3 hrs
SPM 3504 Fiscal and Facilities 3 hrs Specialization course 3 hrs Specialization course 3 hrs Specialization course 3 hrs

Spring 15 hrs
Pet 4025 Sports & Fit Practicum I 6 hrs Specialization course 3 hrs
Pet 4026 Sports & Fit Practicum II 12 hrs

Summer 3 hrs
Specialization course 3 hrs

Senior Year
Fall 15 hrs Specialization course 3 hrs Specialization course 3 hrs Specialization course 3 hrs

1. UCF General Education Program (36 +3 hrs)

Note: 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 and Historical Foundations 9 hrs
C. Mathematical Foundations 7 hrs
Select MAC 2311 4 hrs
Select STA 2023 4 hrs
D. Social Foundations 6 hrs
E. Science Foundations 8 hrs
Select PHY 2053C or CHM 2045C* 3 hrs
Select BSC 2010C 3 hrs
*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

2. Common Program Prerequisites (7 hrs)

COP 8990C* Computer Science I 3 hrs
MAC 2311 Calculus with Analy Geo I GE 3 hrs
MAC 2312 Calculus with Analy Geo II GE 4 hrs
BSC 2020C* Biology I GE 3 hrs
*See Transfer Notes for possible substitutes

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

3. Core requirements (51 hrs)

STA 2023 Statistical Methods I GE 3 hrs
STA 4102 Computer Process of Stat Data GE 3 hrs
STA 4163 Statistical Methods II GE 3 hrs
STA 4164 Statistical Methods III GE 3 hrs
STA 4321 Statistical Theory I GE 3 hrs
STA 4322 Statistical Theory II GE 3 hrs
COT 4500 Numerical Calculus GE 3 hrs
MAC 2313 Calculus with Analy Geo III GE 4 hrs
ENC 3241 Writing for the Tech Professional GE 3 hrs

CHM 2045C or PHY 2053C GEP
COP 3223* Intro to Programming in C* GE 3 hrs

*May substitute an approved programming language course

a. Select one course

MAS 3106 Linear Algebra
MAS 3105 Linear and Matrix Algebra

b. Select one course

COT 3100C Introduction to Discrete Structure

MFP 3102 Logic and Proof in Mathematics

c. Select three from among the following:

9 hrs

STA 3096 Statistical Graphics
STA 4173 Biostatistical Methods
STA 4222 Sample Survey Methods
STA 4502 Nonparametric Stat Methods
STA 4504 Categorical Data Analysis
STA 4684 Statistical Quality Control
STA 4852 Applied Time Series

d. Select a third science course and associated lab

4 hrs

BSC 2011C Biology II (PR: BSC 2010C)
CHM 2045C* Chemistry Fundamentals I (if not taken in GEP)
CHM 2046 & 2046L Chemistry Fundamentals II & Lab (PR: CHM 2045C)
PHY 2053C College Physics I (if not taken in GEP)
PHY 2054C College Physics II (PR: PHY 2053C)

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

e. Select one course

3 hrs

Select any science course from the College of Arts & Humanities or the College of Sciences or any 3000-4000 level science course from either the College of Health & Public Affairs or the College of Medicine Burnett School of Biomedical Sciences

4. Restricted Electives (6 hrs)

Select from upper division or graduate statistics (e.g., STA 5205, STA 5825), mathematics, or computer science courses

Selected courses in engineering or business may be used but must first be approved by the Statistics and Actuarial Science Department

The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses, and MHE 4404

5. 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.

Computer Competency met by STA 4102.

Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

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

7. Electives (variable)

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

8. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed (Note: Statistics majors may count MAC 2313 as upper division credit.)

30 of the last 36 hours of course work must be completed in residency at UCF

A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Actuarial Science Track

Related Minors: Statistics, Mathematics

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 common program prerequisites if taken prior to transferring to UCF:
### Suggested 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.

**Summer**
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>PHY 2053C College Physics I</td>
</tr>
<tr>
<td>MAC 2311 Calc Anal Geo I</td>
<td>STA 2023 Stat Methods I</td>
</tr>
<tr>
<td>MET 2105* req# 1B2-GEP</td>
<td>MAC 2312 Calc Anal Geo II</td>
</tr>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010* req# 1B1-GEP</td>
<td>COP 3223 Intro to Prog C</td>
</tr>
<tr>
<td>ARH 2050* req# 1B3-GEP</td>
<td>STA 4164 Stat Methods III</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>STA 4202 Stat Methods II</td>
</tr>
<tr>
<td>MAC 2313 Calc Anal Geo III</td>
<td>PHY 2054C College Physics II</td>
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<tr>
<td>STA 4163 Stat Methods II</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>COP 3502C Computer Science I</td>
<td>ENC 3241 Wr the Tech Prof</td>
</tr>
<tr>
<td>STA 4321 Stat Theory I</td>
<td>STA 4322 Stat Theory II</td>
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<tr>
<td>COT 3100C* req# 3b-Core</td>
<td>STA 4222* req# 3c-Core</td>
</tr>
<tr>
<td>STA 4664* req# 3c-Core</td>
<td>BSC 2011C* req# 3c-Core</td>
</tr>
<tr>
<td>STA 4183* req# 4-ResEle</td>
<td>Elective* Check restrictions</td>
</tr>
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</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 4500 Numerical Calculus</td>
<td>PSY 2012* req# 1D2-GEP</td>
</tr>
<tr>
<td>STA 4102 Comp Orc of Stat</td>
<td>SPC 1603* req# 1A3-GEP</td>
</tr>
<tr>
<td>STA 4502* req# 3c-Core</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>STA 4130* req# 4-ResEle</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Take SOA EXAM</td>
<td></td>
</tr>
</tbody>
</table>

### Technical Specialization Requirements

- 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. Upper Division Electives

(with advisor's approval)

### 6. Directed Field Experience

- 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.

### 7. Foreign Language Requirements

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### 8. Departmental Exit Requirements*

- Achieve a minimum 2.5 GPA in all courses within the major.

### 9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
10. Total Program Semester Hours Required: 120 hrs

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

11. Recommended Sequence of Program Courses:

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>SPC 1608 Fund of Oral Comm</td>
<td>3</td>
<td>STA 1060C Basic Stat MS Excel or</td>
<td></td>
</tr>
<tr>
<td>Cultural-Historical Foundations Course</td>
<td>3</td>
<td>STA 204C Principles of Statistics</td>
<td></td>
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<tr>
<td>Social Foundations Course</td>
<td>3</td>
<td>Cultural-Historical Found Course</td>
<td>3</td>
</tr>
<tr>
<td>Select one:</td>
<td>3</td>
<td>Cultural-Historical Found Course</td>
<td>3</td>
</tr>
<tr>
<td>Social Foundations Course</td>
<td>3</td>
<td>Social Foundations Course</td>
<td>3</td>
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</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 or 16 hrs</th>
<th>Spring</th>
<th>12 or 16 hrs</th>
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</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3</td>
<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
<td>Science Foundations Course</td>
<td>3</td>
</tr>
<tr>
<td>Science Foundations Course</td>
<td>3</td>
<td>Technical Specialization Course</td>
<td>3</td>
</tr>
<tr>
<td>Technical Specialization Course</td>
<td>3</td>
<td>Technical Specialization Course</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Lang Course (if needed)</td>
<td>4</td>
<td>Foreign Lang Course (if needed)</td>
<td>4</td>
</tr>
<tr>
<td>EVT 3502 Special Needs Voc Ed Studen 3</td>
<td>6 hrs</td>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>EVT 3312 Course Const Health Occ Ed or</td>
<td>3</td>
<td>EVT 3371 Course Const Industrial Ed</td>
<td></td>
</tr>
<tr>
<td>EVT 3371 Course Const Industrial Ed</td>
<td>3</td>
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Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVT 3365 Gen Method/Test Eval</td>
<td>3</td>
<td>EVT 3362 Prof Role Voc Ed Teacher</td>
<td>3</td>
</tr>
<tr>
<td>Technical Specialization Course</td>
<td>3</td>
<td>EVT 3367 Eval Vocation Training</td>
<td>3</td>
</tr>
<tr>
<td>Technical Specialization Course</td>
<td>3</td>
<td>Technical Specialization Course</td>
<td>3</td>
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<tr>
<td>Technical Specialization Course</td>
<td>3</td>
<td>Technical Specialization Course</td>
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<tr>
<td>Technical Specialization Course</td>
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<td>Technical Specialization Course</td>
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<tr>
<td>Summer</td>
<td>6 hrs</td>
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<td></td>
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<tr>
<td>EVT 4065 Prinicip/Prac Technical Ed</td>
<td>3</td>
<td>EVT 4169 Curr Dev of Ind Training</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>ADE 4382 Teaching Adult Learners</td>
<td>3</td>
<td>EVT 4941</td>
<td>12</td>
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<tr>
<td>EVT 4386 Adv Teach/Tech in Voc Ed</td>
<td>3</td>
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<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.

THEATRE (B.F.A.)

College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu

Acting: Be Boyd, 407-823-2862, E-mail: bbboyd@mail.ucf.edu
Design & Technology and Stage Management: Bert Scott, 407-823-2862, E-mail: hscott@mail.ucf.edu

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 and Technology. This BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.

An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design and 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 for details and for information on scheduling an appointment.
- All Acting students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design and Technology and Stage Management students must submit a resume, black and white photo, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Acting 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 March 1.
- Students may request a scholarship application prior to their audition/interview by contacting the Area Coordinator, or they may complete the application at their audition/interview.

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.
- Continuation in the BFA program requires positive BFA reviews by the faculty.
- 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 departmental 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 and Technology and Stage Management majors (including transfers) must participate in at least 5 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be as a department head, stage manager, assistant stage manager, designer, or other high-level production role. The other three 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.
UCF Degree Programs
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 determine 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 and 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.
Design and 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 handbook.
Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
Courses designated 1 (General Education Program) are taken
throughout all four years.
1. UCF General Education Program
A. Communication Foundations
B. Cultural and Historical Foundations
Select one course from 1.B.1 list
Select THE 2020 Survey of Theatre for Majors
Design and Technology Students - Select ARH 2051
(History of Western Art II)
C. Mathematical Foundations
Select MGF 1106 Finite Mathematics or MGF 1107
(may substitute a higher level math)
Select STA 1060C Statistics Using Excel
D. Social Foundations
E. Science Foundations

(36 hrs)
9 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
6 hrs
6 hrs

2. Common Program Prerequisites
(18 hrs)
THE 2020*
Survey of Theatre for majors
GEP
THE 2304*
Script Analysis
3 hrs
THE 2090L
Theatre Participation - Management I
1 hr
TPA 2290L
Theatre Participation - Production I
1 hr
TPP 2190L
Theatre Participation - Performance I
1 hr
TPP 3310C*
Directing I
3 hrs
TPP 2110C
Acting I - Introduction
3 hrs
TPA 2210
Stagecraft I or
3 hrs
TPA 2201
Technical Theatre Production and
2 hrs
TPA 2201L
Technical Theatre Production LAB
1 hr
*Plus an additional 3 hours of THE, TPA, or TPP courses. See Specialization
*See Transfer Notes for possible substitutes.
See “Common Prerequisites” in the Transfer and Transitions Services section for
more information.
3. Core Requirements
THE 3311
Theatre History and Dramatic Literature I
THE 3312
Theatre History and Dramatic Literature II
THE 3313
Theatre History and Dramatic Literature III

(9 hrs)
3 hrs
3 hrs
3 hrs

4A. Specialization: select one area
Acting Specialization
TPA 2201
Technical Theatre Production
TPA 2201L
Technical Theatre Production LAB
TPP 2170C
Acting II - The Actor Prepares
TPA 2248C
Makeup Techniques
DAA 2200C
Ballet I
TPP 2710C
Voice Production I

(66 hrs)
CPP
CPP
CPP
2 hrs
2 hrs
2 hrs

TPP 3172C
Acting III - Building the Character
TPP 3510C
Movement for the Actor I
TPP 3513C
Movement for the Actor II
TPP 3512C
Stage Combat
TPP 3257C
Music Theatre Voice I
TPP 3258C
Musical Theatre Voice II
TPP 3711C
Voice Production II
TPP 3712C
Voice Production III
TPP 3730C
Voice Production IV
TPP 4140C
Acting IV - Creating the Role
TPP 4142C
Acting V - Verse
TPP 4265C
Acting VI for TV/Film
TPP 4531C
Period Movement
TPP 4940L
Theatre Internship
TPP4268
Acting VII for TV/Film
TPP 4221
Auditioning
TPP 4223C
Theatre Careers for Performance
DAA 2570C
Jazz Dance I or
DAA 2100C
Modern Dance I
TPA 4293L – or – THE 4093L – or – TPP 4193L
Restricted electives (see list of courses)
Stage Management Specialization
TPA 2210
Stagecraft I
TPA 2210L
Stagecraft I LAB
TPA 2211
Stagecraft II
TPA 2211L
Stagecraft II LAB
TPA 4293L
Theatre Participation - Production II
THE 4093L
Theatre Participation - Management II
TPA 4400
Theatre Management
TPP 2170C
Acting II - The Actor Prepares
TPA 2000C
Theatre Design Basics
TPA 2010C
Scenography
TPA 2220C
Stage Electronics
TPA 2600
Stage Management Basics
TPA 3601
Stage Management
TPA 4602
Advanced Stage Management
TPA 3221C
Lighting Design for Theatre I or
TPA 3260C
Sound Design for Theatre I
TPA 3195L
Summer Theatre Studio/Tech/Design I
TPA 3197L
Summer Theatre Studio/Tech/Design II
THE 4284
Costume, Architecture, Decor History I
THE 4285
Costume, Architecture, Decor History II
TPP 4940L
Theatre Internship
TPA 4401C
Theatre Careers for Tech/Management
TPA 4250C
CADD for Theatre
Restricted electives (see list of courses)
Design and Technology Specialization
ARH 2051
Art History II
TPA 2210
Stagecraft I
TPA 2210L
Stagecraft I LAB
TPA 2211
Stagecraft II
TPA 2211L
Stagecraft II LAB
TPA 2220C
Stage Electronics
TPA 4293L
Theatre Participation - Production II
(1 credit course, must be taken twice)
TPA 2000C
Theatre Design Basics
TPA 2071C
Theatre Rendering
TPA 2010C
Scenography
THE 4284
Costume, Architecture, Decor History I
THE 4285
Costume, Architecture, Decor History II
TPA 3077C
Scene Painting or
TPA 3383C
Topics in Technical Theatre
TPA 3195L
Summer Theatre Studio/Tech/Design I
TPA 3197L
Summer Theatre Studio/Tech/Design II
TPA 2230C
Costume Construction
TPA 4250C
CADD for Theatre
TPA 4251C
Advanced CADD for Theatre
TPP 4940L
Theatre Internship
TPA 4401C
Theatre Careers in Production
Design Electives
(see list of courses)
Restricted electives (see list of courses)

3 hrs
2 hrs
2 hrs
2 hrs
2 hrs
2 hrs
2 hrs
2 hrs
2 hrs
3 hrs
3 hrs
3 hrs
2 hrs
6 hrs
3 hrs
3 hrs
3 hrs
2 hrs
1 hr
12 hrs
CPP
1 hr
CPP
1 hr
1 hr
1 hr
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
6 hrs
3 hrs
2 hrs
12 hrs
GEP
CPP
1 hr
CPP
1 hrs
3 hrs
2 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
2 hrs
3 hrs
3 hrs
3 hrs
2 hrs
2 hrs
6 hrs
3 hrs
9 hrs
11 hrs

4B. Restricted Electives
(except where required by a specialization - see specializations
for credit hours)
Chosen from the following
THE 3230
Cultural Diversity in Theatre
3 hrs
THE 4093L
Theatre Participation - Management II
1 hr
THE 3240
Musical Theatre Survey
3 hrs
THE 5307
Contemporary Theatre
3 hrs
TPA 3077C
Scene Painting
2 hrs
TPA 3383C
Topics in Technical Theatre
2 hrs
TPA 3060C
Scene Design for Theatre I
3 hrs
TPA 4061C
Scene Design for Theatre II
3 hrs

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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
TPA 4041C: Costume Design for Theatre II 3 hrs
TPA 4224C: Lighting Design for Theatre II 3 hrs
TPA 4264C: Sound Design for Theatre II 3 hrs
TPA 4384C: Advanced Topics in Technical Theatre 3 hrs
TPP 3135L: Summer Theatre Studio/Design I 3 hrs
TPA 3197L: Summer Theatre Studio/Design I 3 hrs
TPA 2600: Stage Management Basics 3 hrs
TPA 3001: Stage Management 3 hrs
TPA 4400: Theatre Management 3 hrs
TPA 4293L: Theatre Participation - Production II 1 hr
TPP 3197L: Summer Theatre Performance 3 hrs
TPP 3952L: Summer Studio Performance 3 hrs
TPP 4268C: Acting VII for TV/Film 3 hrs
THE 4284: Costume, Architecture, Decor History I 3 hrs
THE 4285: Costume, Architecture, Decor History II 3 hrs
TPP 4193L: Theatre Participation - Performance II 1 hr
THE 3905*: Independent Study 1-9 hrs
DAA 3905*: Independent Study 1-9 hrs
THE 4912*: Undergraduate Research 3-6 hrs
DAA 4912*: Undergraduate Research 3-6 hrs
Honors in the Major Directed Readings and Thesis* 3-6 hrs

*Other THE, TPP, DAA or DAN courses as approved by the department requires instructor and departmental approval in advance.

4C. Design Electives (for Design & Technology Specialization)
Select at least two level one courses and one level two course

TPA 3060C: Scene 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
TPA 4061C: Scene Design for Theatre II 3 hrs
TPP 4041C: Costume Design for Theatre II 3 hrs
TPA 4224C: Lighting Design for Theatre II 3 hrs
TPA 4264C: Sound Design for Theatre II 3 hrs
TPA 4384C: Advanced Topics in Technical Theatre 3 hrs

5. 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
- 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, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
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

7. Electives (variable)

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Art, Film, Music, Theatre Studies BA

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 common program prerequisites if taken prior to transferring to UCF:
  - THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
  - THE 2304: may use THE 2300
  - TPA 2210: may use TPA 2210 or TPA 2201
  - TPA 2201: may use TPA 2200 or TPA 2210
  - TPP 3310C: may use TPP 2300

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 Fee
- Full-time Student .......................... $90 per term
- Part-time Student .......................... $45 per term

THEATRE - MUSICAL THEATRE TRACK (B.F.A.)
College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu
Contact: Earl Weaver, 407-823-2862, E-mail: eweaver@mail.ucf.edu

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 secure 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 and white 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 March 1. Students may request a scholarship application prior to their audi-
tion by contacting the Area Coordinator, or they may complete the application at their audition.

- The Musical Theatre 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.
- Continuation in the BFA program requires a positive annual BFA Review.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least four productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbook.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Select one course from 1.B.1 list
     - Select one course from 1.B.1 or 1.B.2 list
   - B. Cultural and Historical Foundations
     - Select one course from 1.B.1 list
     - Select one course from 1.B.1 or 1.B.2 list

C. Mathematical Foundations
   - Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
   - Prefer STA 1060C 3 hrs

D. Social Foundations
   - 6 hrs

E. Science Foundations
   - 6 hrs

2. Common Program Prerequisites (18 hrs)
   - THE 2020* Survey of Theatre for majors GEP
   - THE 2304* Script Analysis 3 hrs
   - THE 2090L Theatre Participation - Management I 1 hr
   - TPP 2290L Theatre Participation - Production I 1 hr
   - TPP 2190L Theatre Participation - Performance I 1 hr
   - TPP 2201L Technical Theatre Production 2 hrs
   - TPP 2201L Technical Theatre Production Lab 1 hr
   - TPP 3310C* Directing I 3 hrs
   - TPP 2110C Acting I - Introduction 3 hrs
   - TPP 2170C Acting II - The Actor Prepares 3 hrs
   *See Transfer Notes for possible substitutes.

3. Specialization: Lower Division (20 hrs)
   - MUT 1121 Music Theory and Musicianship I 4 hrs
   - MUT 1122 Music Theory and Musicianship II 4 hrs
   - DAA 2200C Ballet I 2 hrs
   - DAA 2201C Ballet II 2 hrs
   - DAA 2570C Jazz Dance I 2 hrs
   - DAA 2571C Jazz Dance II 2 hrs
   - DAA 2520C Tap Dance I 2 hrs
   - TPA 2248C Make-up Techniques 2 hrs

4. Specialization: Upper Division (51 hrs)
   - TPP 3172C Acting III - Building the Character 3 hrs
   - TPP 4140C Acting IV - Creating the Role 3 hrs
   - TPP 3250 Musical Theatre Acting Perf I 3 hrs
   - TPP 3252 Musical Theatre Acting Perf II 3 hrs
   - TPP 4253C Musical Theatre Acting Perf III 3 hrs
   - THE 4244 Musical Theatre History I 3 hrs
   - THE 4245 Musical Theatre History II 3 hrs
   - TPP 4223C Theatre Careers for Performance 3 hrs
   - THE 3311 Theatre History and Dram. Lit I 3 hrs
   - THE 3312 Theatre History and Dram. Lit II 3 hrs
   - TPA 4293L - THE 4093L - TPP 4193L 1 hr
   - TPA 3257C Musical Theatre Voice I 2 hrs
   - TPA 3258C Musical Theatre Voice II 2 hrs
   - TPA 4259C Musical Theatre Voice III 2 hrs
   - TPA 4270C Musical Theatre Voice IV 2 hrs
   - TPA 4270C Musical Theatre Voice V 2 hrs
   - TPA 4271C Musical Theatre Voice VI 2 hrs
   - TPA 4746C Musical Theatre Voice VII 2 hrs
   - TPA 4940L Theatre Internship 6 hrs

4A. Movement Electives (2 hrs)
   - TPP 4513C Period Movement 2 hrs
   or
   - TPP 3512C Stage Combat 2 hrs
   - Any DAA or DAN courses not already required and with departmental approval

4B. Restricted Electives (2 hrs)
   - Chosen from the following
     - DAN 3134 Dance History I 3 hrs
     - DAA 3612 Dance Improvisation/Composition I 3 hrs
     - DAA 2100C Modern Dance I 2 hrs
     - DAA 2684 Dance Performance 1 hr
     - DAA 2521C Tap Dance II 2 hrs
     - DAA 3524C Tap Dance III 2 hrs
     - DAA 3208C Ballet I 2 hrs
     - DAA 2101C Modern Dance II 2 hrs
     - DAA 3108C Modern Dance III 2 hrs
     - DAA 2393C World Dance 2 hrs
     - DAA 3645 Choreography Practicum 2 hrs
     - DAA 3684 Dance Performance 1 hr
     - TPP 3730C Voice Production IV 2 hrs
     - TPP 4142C Acting V - Verse 3 hrs
     - TPP 4265C Acting VI - Acting for TV/Film 3 hrs
     - TPP 4268C Acting VII for TV/Film 3 hrs
     - THE 3230 Cultural Diversity in Theatre 3 hrs
     - THE 5307* Contemporary Theatre 3 hrs
     - TPA 3195L Summer Theatre Studio/Design I 3 hrs
     - TPA 3197L Summer Theatre Studio/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 4460 Theatre Management 3 hrs
     - THE 4284 Costume, Architecture, Decor History I 3 hrs

UCF Degree Programs
THE 4285  Costume, Architecture, Decor History II  3 hrs
TPP 4221  Auditioning  3 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
THE 3905*  Independent Study  1-9 hrs
TPP 4311C*  Advanced Directing  3 hrs
THE 4093L  Theatre Participation - Management II  1 hr
TPA 4293L  Theatre Participation - Production II  1 hr
TPP 4393L  Theatre Participation - Performance II  1 hr
THE 4912*  Undergraduate Research  3-6 hrs
Honors in the Major Directed Readings and Thesis*  3-6 hrs
*Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance

5. 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
- 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, 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 toward total theatre credits.
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
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

7. Electives (variable)

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  129 hrs

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 common program prerequisites if taken prior to transferring to UCF:
- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- THE 2304: may use THE 2300
- TPP 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300

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 Fee:
- Full-time Student ........................ $90 per term
- Part-time Student  ......................... $45 per term

THEATRE STUDIES (B.A.)
College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit the audition site online at http://www.theatre.ucf.edu.

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.
- 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.
- Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbook.
- 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 (36 hrs)

   A. Communication Foundations  9 hrs
   B. Cultural and Historical Foundations  9 hrs
   Select one course from 1.B.1 list  3 hrs
   Select THE 2020 Survey of Theatre for Majors  3 hrs
   Select one course from 1.B.1 or 1.B.2 list  3 hrs
   C. Mathematical Foundations  6 hrs
   Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)  3 hrs
   Prefer STA 1060C Statistics Using Excel  3 hrs

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Contact: John Shafer, 407-823-2862, E-mail: jwshafer@mail.ucf.edu

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.
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites (18 hrs)
THE 2020* Survey of Theatre for majors GEP
THE 2304 Script Analysis 3 hrs
THE 2300L Theatre Participation - Management I 1 hr
TPA 2280L Theatre Participation - Production I 1 hr
TPP 2100L Theatre Participation - Performance I 1 hr
TPA 2201* Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPP 3310C* Directing I 3 hrs
TPP 2700C Stage Voice/Speech 3 hrs
TPP 2101* Fundamentals of Acting 3 hrs

*See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (9 hrs)
THE 3311 Theatre History & Dram. Lit. I 3 hrs
THE 3312 Theatre History & Dram. Lit. II 3 hrs
THE 3313 Theatre History & Dram. Lit. III 3 hrs

4. Restricted Electives (19 hrs)
Select 19 hours from the following:
THE 3230 Cultural Diversity in Theatre 3 hrs
THE 3082 Theatre Careers 3 hrs
TPP 4143C Acting Styles 3 hrs
TPP 3264C Acting on Camera 3 hrs
THE 2025 Intro to Theatrical Design 3 hrs
TPP 4221* Auditioning 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
THE 4093L* Theatre Participation -Management II 1 hr
TPA 4283L* Theatre Participation-Production II 1 hr
TPA 4193L* Theatre Participation-Performance II 1 hr
THE 5307* Contemporary Theatre 3 hrs
TPA 2248C* Makeup Technique 2 hrs
THE 4284 Costume, Architecture, Decor History II 3 hrs
THE 4285 Costume, Architecture, Decor History II 3 hrs
TPA 3185L Summer Theatre Studio/Design I 3 hrs
TPA 3187L Summer Theatre Studio/Design II 3 hrs
TPA 2600* Stage Management Basics 3 hrs
TPA 4400 Theatre Management 3 hrs
TPP 3103 Intermediate Acting 3 hrs
TPP 3199L Summer Theatre/Performance 3 hrs
TPP 3952L Summer Studio Performance 3 hrs
TPP 4511C* Advanced Directing 3 hrs
Any DAA or DAN courses with instructor and departmental approval 2-8 hrs
THE 3930* Independent Study 1-12 hrs
THE 4912* Undergraduate Research 3-6 hrs
Honors in the Major Directed Readings and Thesis* 3-6 hrs

*Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

5. 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
- Computer Competency met by STA 1060C or Computer Science Course
- Minimum of 30 theatre credits must be completed in residency at UCF

6. Foreign Language Requirements (0-8 hrs)
Admission: 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.

7. Required Minor (18 hours minimum)
Theatre Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department's Associated Minor program, which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Art, Film, Music, Theatre BFA
Related Minors: Art, Film, Music, Theatre, Dance

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 common program prerequisites if taken prior to transferring to UCF:
- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304 (Script Analysis): may use THE 2300 or THE 3305
- TPA 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300
- TPP 2101: may use any introductory acting course

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

Equipment Fee
- Full-time Student .................................................. $50 per term
- Part-time Student .................................................. $45 per term

WOMEN'S STUDIES
See Interdisciplinary Studies - Women's Studies Track
## Minors and Certificates

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the 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
- Aerospace Studies
- African-American Studies
- Aging Studies
- American Sign Language and Deaf Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art History
- Art - Studio
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Education
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- French
- German
- Health Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robot Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Management Information Systems
- Marketing
- Mass Communication
- Mathematics
- Mathematics Education
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Molecular Biology and Microbiology
- Music
- Nonprofit Management/American Humanities
- National Certification Program
- North American Indian Studies
- Operations Management/Enterprise Systems
- 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
- Social Sciences - Interdisciplinary
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women's Studies
- World Comparative Studies
- Addictions Certificate
- Aging Studies Certificate
- American Sign Language 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
- Energy Technology Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Retailing Management Certificate
- Marketing: e-Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Services Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Real Estate: Real Estate Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Mortgage Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women's Studies Certificate

### Additional UCF Programs

- Study Abroad Programs:
  - Argentina
  - Australia
  - Austria
  - Brazil
  - Costa Rica
  - Croatia
  - Czech Republic
  - England
  - France
  - Germany
  - Honduras
  - Ireland
  - Italy
  - Japan
  - Jordan
  - Poland
  - Russia
  - Scotland
  - Spain
  - Sweden
  - Switzerland
  - The Netherlands
ACCOUNTING: MINOR
(for Business and Non-Business Majors)
College of Business Administration
School of Accounting, BA 437, (407) 823-2871
Not available to Accounting Majors
Credit Hour Requirements
Required Courses
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
Select one of the following (may not be counted as an elective if
selected as a required course):
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3361 Intermediate Managerial Accounting
Restricted Electives
Select four from the following (at least two courses must have either
an ACG or TAX prefix):
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3361 Intermediate Managerial Accounting 3 hrs
ACG 3141 Intermediate Financial Accounting 3 hrs
ACG 3901 Accounting and Auditing in the Public Sector 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4932 Approved Special Topics Courses in Accounting 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 3 hrs
ISM 4212 Database Management Systems 3 hrs
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 evalua-
tion.
■ 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 can-
not be used toward the minor.

AEROSPACE STUDIES: Minor
College of Engineering and Computer Science
Air Force ROTC, TR 501, Rm 103
Contact: Col. Michael J. Chandler, 407-823-1247
Credit Hour Requirements
Required Courses
16 hrs
(16 hr)
AFR 1101C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2101C The Development of Power I 1 hr
AFR 2111C The Development of Power II 1 hr
AFR 3202C Air Force Leadership and Management I 3 hrs
AFR 3203C Air Force Leadership and Management II 3 hrs
AFR 4201C Nat Scrty Affairs & Prep for Active Duty I 3 hrs
AFR 4211C Nat Scrty Affairs & Prep for Active Duty II 3 hrs
Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy
the minor.
■ Grades less than "C-" (1.75) are not accepted.
■ At least 12 hours used in the minor must be earned at UCF
within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward
the minor.

AFRICAN-AMERICAN STUDIES: Minor
College of Arts and Humanities
African American Studies Program, CNH 411
http://www.aas.cah.ucf.edu/
Contact: 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.
Credit hour Requirements
Required Courses
(6 hrs)
AFA 3104 The African American Experience 3 hrs
AMH 3571 Black American History I 3 hrs
Restricted Electives
(12 hrs)
AFA 3102 Introductory Perspectives on African American Studies
AFA 2300 African American Music
AFA 3955 Study Abroad in the Caribbean
AFA 4105 Documenting African American Heritage and Life
AHF 3100 African History to 1870
AHF 3200 African History Since 1870
AHF 3806 The History of Slavery in Africa
AMH 3403 History of the South Since 1865
AMH 3572 Black American History II
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, & Havana
ANT 3316 Black and Seminole Relations
ANT 3319 Anthropology of Diaspora
ANT 4340 Caribbean Cultures
ARH 3520 African Art
INR 3253 International Politics of Africa
FIL 3831 Black Cinema
LAE 3470 History of the Caribbean
LAS 4023 Afr Caribbean Experience
LIT 3192 Caribbean Literature
MUL 2016 Evolution of Jazz
POS 4622 Politics & Civil Rights
PUP 3314 Minorities in American Politics
SOP 3724 The Psychology of Racial Prejudice
SYD 3700 Race and Ethnic Minorities in the U.S.
Additional courses may be used only with the prior permission of the program
Director.
Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy
the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 12 hours used in the minor must be earned at UCF
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used
oward the minor without the approval of the program coordinator.

AGING STUDIES: Minor
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator: HPA 204, 407-823-2114
In recognition of the special needs of older adults in Central Florida,
the University offers an eighteen-hour interdisciplinary program lead-
ing to a Minor in Aging Studies. The minor is open to all students in
any major as well as non-degree seeking students. This minor pre-
apres 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, commu-
nication sciences and disorders or education find study of the aging
process especially helpful. The minor may be completed as a fully
web-based program. A required internship, along with course options
that include service-learning activities, complements the web-based
course of study.
Credit Hour Requirements
18 hrs
Minors

Required Courses

- GEY 3001 Gerontology: Interdisciplinary Overview (3 hrs)
- Required Internship: 120 hours

Select one:

- SOW 4510 or SOW 4941 Field Education (for full-time students) (9 hrs)
- Field Education (for part-time students over two semesters)

- HSA 4941 Internship (3 hrs)
- PSY 3951 Internship (3 hrs)
- SYP 4941 Internship (3 hrs)

Electives

(12 hrs)

Students select four additional courses from the following: A maximum of two courses in their College and at least two courses must be outside their College.

College of Health and Public Affairs

- HSA 4220 Long Term Care (3 hrs)
- HSA 3222 Long Term Administration (3 hrs)
- HSC 4564 Health Care Needs of the Elderly (3 hrs)
- NUR 4286 Gerontologic Nursing (3 hrs)
- PLA 4530 Legal Issues of the Elderly (3 hrs)
- SOW 4645 Social Services for the Elderly (3 hrs)

Other Colleges

- DEP 3464 Psychology of Aging (3 hrs)
- SYP 4730 Sociology of Aging (3 hrs)
- GEY 5007* Women and Aging (3 hrs)
- LIT 3930 Literature of Aging (3 hrs)
- SYP 4732 Minority Aging (3 hrs)
- *Open to undergraduates with senior standing

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

AMERICAN SIGN LANGUAGE AND DEAF STUDIES: Minor

College of Health and Public Affairs
Department of Communication Sciences and Disorders, HPA2, Suite 101
http://www.cohpa.ucf.edu/comdis

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwartz@mail.ucf.edu

The American Sign Language and Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a non-Indo European, second language that they may use to communicate with the Deaf community, but they also discover a rich and complex cultural group. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in liberal studies, education, criminal justice, health professions, social work, psychology, sociology, and interpersonal and organizational communication. Additionally, a minor in American Sign Language and Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge and as a foundation for future study in interpreter or deaf education.

Credit Hour Requirements

(22 hrs)

Required Courses

- ASL 2510 Issues in Deafness (3 hrs)
- ASL 2140 Introduction to American Sign Language (4 hrs)
- ASL 2150 Intermediate American Sign Language (4 hrs)
- ASL 4161C American Sign Language III (4 hrs)
- ASL 4201 American Sign Language IV (4 hrs)
- SPA 4634 Educational implications of Deafness (3 hrs)

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall minimum GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF within the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit), Internship or Independent Study credit may be used toward the minor.

AMERICAN STUDIES: Minor
College of Arts and Humanities
http://www.caah.ucf.edu

Contact: Lyman Brodie, CAH 190, 407-823-2292, E-mail: lbrodie@mail.ucf.edu

Credit Hour Requirements

(21 hrs)

Required Courses

Select one course in each of the three categories below

Literature and Humanities

- AML 3031 American Literature I
- AML 4101 American Novel
- AML 4261 Literature of the South
- AML 3682 Ethnic Literature in America

Social Sciences

- POS 3413 The American Presidency
- POT 3204 American Political Thought
- SYD 3700 Race and Ethnic Minorities in the U.S.
- SYP 3630 Sociology of Popular Culture

History

- AMH 3561 Women in American History I
- AMH 4110 Colonial America, 1607-1763
- AMH 4120 The Age of the American Revolution
- AMH 4311 American Culture I
- AMH 4313 American Culture II

Restricted Electives

(12 hrs)
A list can be obtained by meeting with an advisor to plan your course of study.

Other Requirements

- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level courses.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ANTHROPOLOGY: Minor
College of Sciences
Department of Anthropology, PH 309
http://www.cos.ucf.edu/anthropology

E-mail: anthropology@ucf.edu

Contact: A. Chase, 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.

Credit Hour Requirements

(18 hrs)

A. Concentration in General Anthropology

The following 2000 level courses must be taken

- ANT 2000 General Anthropology
- ANT 2100 Archaeology & Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species

Select two upper level (3000-5000) courses in Anthropology (6 hrs)

B. Concentration in Archaeology

The following 2000 level courses must be taken:

- ANT 2100 General Anthropology
- ANT 2100 Archaeology & Rise of Human Culture

Select from the following

- ANT 3106 Archaeology and Popular Culture
- ANT 3115 Archaeological Method and Theory
- ANT 3142 Old World Prehistory
- ANT 3145 Archaeology of Complex Societies
- ANT 3158 Florida Archaeology
- ANT 3160 Pre-Contact Americas
- ANT 3161 Archaeology of Mexico
- ANT 3163 Mesoamerican Archaeology
- ANT 3164 Ancient Incas
- ANT 3165 Archaeology of South America
- ANT 3168 Maya Archaeology (or ANG 6168)
- ANT 3173 Archaeology of Sex
- ANT 3177 Archaeology of Caribbean Piracy
- ANT 3358 Life and Death in Ancient Egypt
- ANT 4101 Archaeological Sciences (or ANG 5100)
- ANT 4144 Prehistory of North America
- ANT 4153 North American Archaeology
ANT 4180C Seminar in Laboratory Analysis
(or three 1 hr labs)
ANT 4184 Mortuary Archaeology (or ANG 5741)
ANT 4824 Advanced Archaeological Field Work
ANG 5165 Maya Field Research
ANG 5166 Problems of Maya Studies
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography

C. Concentration in Physical Anthropology
The following 2000 level courses must be taken: (6 hrs)
ANT 2000 General Anthropology
ANT 2511 The Human Species
Take four of the following courses: (12 hrs)
ANT 3330 Cultural Ecology of Amazonia
ANT 3344 Puerto Rican Culture
ANT 3362 Peoples of Southeast Asia
ANT 3450 Living in the USA: Anthropological Perspectives
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 3949 Cooperative Education in Anthropology
ANT 4184 Mortuary Archaeology (or ANG 5741)
ANT 4462 Medical Anthropology
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 4516 Human Biological Diversity
ANT 4521C Forensic Anthropology
ANT 4525C Human Osteology
ANT 4528C Advanced Forensic Anthropology
ANT 4586 Human Origins
ANG 5742 Problems in Forensic Anthropology

D. Concentration in Cultural Anthropology
The following 2000 level courses must be taken: (6 hrs)
ANT 2000 General Anthropology
ANT 2410 Cultural Anthropology
Take four of the following courses: (12 hrs)
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3262 Rural Society
ANT 3273 Law and Culture
ANT 3302 Sex, Gender and Culture
ANT 3311 Indians of the SE US
ANT 3312 Ethnology of North Amer Indians
ANT 3313 Indians of N Amer High Plains
ANT 3314 Indians of the Northeast Woodlands
ANT 3316 Black/Semiole Relations
ANT 3318 Indians of the Northwest Coast
ANT 3320 Indians of the Southwest
ANT 3364 Ancient Incas
ANT 4332 Peoples and Cultures of Latin America (or ANG 5307)
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 3701 Applied Anthropology
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4802 Ethnographic Field Methods
ANT 3263 Anthropology of Japan
ANT 3640 Language and Culture (or ANG 5620)
ANT 4340 Caribbean Cultures (or ANG 5341)
ANT 3319 The Anthropology of Diaspora
ANT 4034 History of Anthropological Thought
ANT 4266 Economic Anthropology
ANT 4308 Gender Issues in Latin America
ANT 4352 African Societies and Cultures
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5622 Language, Culture, and Pedagogy

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- 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, PH 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Contact: A. Chase 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.

Credit Hour Requirements (18 hrs)
Required Course
Select one of the following:
ANT 2000 General Anthropology
ANT 2410 Cultural Anthropology

Restricted Electives (15 hrs)
Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
ANT 3164 Ancient Incas
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3302 Sex, Gender and Culture
ANT 3311 Ethnology of North Amer Indians
ANT 4332 People and Cultures of Latin America (or ANG 5307)
ANT 3640 Language and Culture (or ANG 5620)
ANT 4340 Caribbean Cultures (or ANG 5341)
ANT 3316 Black/Semiole Relations
ANT 3319 The Anthropology of Diaspora
ANT 3341 Biobehavioral Anthropology
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 3701 Applied Anthropology
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4266 Economic Anthropology
ANT 4308 Gender Issues in Latin America
ANT 4516 Human Biological Diversity
SYD 3700 Race and Ethnic Minorities in the US

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ART HISTORY: Minor
College of Arts and Humanities
Art Department, VAB 117
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Credit Hour Requirements (27 hrs)
Required Courses
Select from the following:
ARH 4545 Art of India
ARH 4520 African Art
ARH 4655 Meso American Art

Non-western Course Requirement (3 hrs)
Select from the following:
ARH 2410 Cultural Anthropology
ARH 2000 General Anthropology

Minors

Restricted Elective: (3 hrs)
ARH 4350 Baroque Art
ARH 4200 Medieval Art
ARH 4892 Women in Art
ARH 4800 Theory and Criticism of the Visual Arts

6 hours of electives (6 hrs)
Two additional ARH XXX-4XXX courses

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the Art Department.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ART - STUDIO: Minor
College of Arts and Humanities
Art Department, VAB 117
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

Credit Hour Requirements 24 hrs
Required Courses (18 hrs)
ARH 2050 History of Western Art I 3 hrs
ARH 2051 History of Western Art II 3 hrs
ART 2201C Design Fundamentals 2-D 3 hrs
ART 2203C Design Fundamentals 3-D 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs

Restricted Upper Division Courses 6 semester hours of studio art in one area of specialization at the 3000-4000 level

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ASIAN STUDIES: Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Contact: P. 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.

Credit Hour Requirements 21 hrs
Required Course (3 hrs)
HUM 3401 Asian Humanities

Restricted Electives (18 hrs)
Approved courses (see department for listing)

Foreign Language Requirement (0-8 hrs)
One year or the equivalent proficiency examination. Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

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.

INTERNATIONAL STUDIES: Minor
College of Arts and Humanities
Contact: Office of International Affairs, VAB 144, 407-823-2472

Credit Hour Requirements 18 hrs
Required Courses (12 hrs)
PHY 2048 Physics for Engineers & Scientists I 3 hrs
AST 2002 Astronomy 3 hrs
AST 372C Tech of Observational Astronomy 3 hrs
AST 3110 Solar System Astronomy 3 hrs
AST 3211 Stellar Astrophysics 3 hrs
AST 3402 Galaxies and Cosmology 3 hrs

Restricted Electives (6 hrs)
Select either:
PHY 2049 Physics for Engineers & Scientists II or 3 hrs
PHY 2048L Physics for Engineers and Scientists I Lab and 1 hr
AST 2002L Astronomy Lab 1 hr

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ASTRONOMY: Minor
College of Sciences
Department of Physics, MAP 310
E-mail: physics@ucf.edu
Contact: Humberto Campins, 407-823-2325

Not open to Physics majors with an Astronomy specialization

Credit Hour Requirements 20 hrs
Required Course (18 hrs)
PHY 2048 Physics for Engineers & Scientists I 3 hrs
AST 2002 Astronomy 3 hrs
AST 372C Tech of Observational Astronomy 3 hrs
AST 3110 Solar System Astronomy 3 hrs
AST 3211 Stellar Astrophysics 3 hrs
AST 3402 Galaxies and Cosmology 3 hrs

Restricted Electives (2 hrs)
Select either:
PHY 2049 Physics for Engineers & Scientists II or 3 hrs
PHY 2048L Physics for Engineers and Scientists I Lab and 1 hr
AST 2002L Astronomy Lab 1 hr

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

BIOENGINEERING: Minor
College of Engineering and Computer Science
CECS Academic Affairs Office, ENGR 107
Contact: Engineering track - Alain Kassab, 407-823-5778, E-mail: kassab@mail.ucf.edu;
Computer Science track - Charles Hughes, 407-823-2762, E-mail: ceh@cs.ucf.edu

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 Pre-Health Professions Advisement office housed in the College of Medicine Burnett School of Biomedical Sciences. Contact Dr. Genaro Lopez, HPA I 124; 407-823-2670; E-mail: galopez@mail.ucf.edu. The minor constitutes up to: (a) for the engineering track 24 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 19 hours of coursework over the requirements for a bachelor of science degree in computer science at UCF.

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 3.50. Candidates should contact the CECS Academic Affairs Office; bioengineeringminor@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

I. Engineering Track

Credit Hour Requirements 41 hrs
Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048</td>
<td>Physics for Engineers and Scientists</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>Physics Laboratory for Engineers and Scientists</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>Physics for Engineers and Scientists</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>Physics Lab for Engineers and Scientists</td>
<td>1 hr</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
Other Requirements
* These courses are included in the degree requirements for the Bachelors of Science in Engineering.
** In addition to the identified courses above, this course is included in the degree requirements for the Bachelors of Science in Civil Engineering.
*** In addition to the identified courses above, these courses are included in the degree requirements for the Bachelors of Science in Environmental Engineering.

II Computer Science Track

Credit Hour Requirements 41 hrs

Required Courses (35 hrs)

- PHY 2048 Physics for Engineers and Scientists 3 hrs*
- PHY 2048 L Physics Laboratory for Engineers and Scientists 1 hr*
- PHY 2049 Physics for Engineers and Scientists II 3 hrs*
- PHY 2049 L Physics Lab for Engineers and Scientists II 1 hr*
- BSC 2010C Biology I 4 hrs*
- BSC 2011C Biology II 4 hrs
- PCB 2045C Chemistry Fundamentals I 4 hrs*
- PCB 2046 Chemistry Fundamentals II 3 hrs
- PCB 2046L Chemistry Fundamentals Laboratory 1 hr
- PCB 211L Organic Chemistry 3 hrs
- PCB 2111L Organic Chemistry I 3 hrs
- PCB 2111L Organic Chemistry I 2 hrs
- PCB 2112L Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Recommended Courses (6 hrs)

Computer science specific list (choose one from the following)

- CAP 5512 Evolutionary Computation 3 hrs*
- COT 6417 Biological Sequence & Structure Analysis 3 hrs*

General science list (choose one from the following)

- BSC 2010C Biochemistry I 3 hrs
- BSC 2403C Quantitative Biological Methods 4 hrs
- BSC 5418 Tissue Engineering 3 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3063 Genetics 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 3744 Neurobiology 3 hrs
- PCB 3063 Genetics 3 hrs

*These courses are included in the degree requirements for the bachelors of science degree in computer science.

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 in Science must be completed in order for the minor to be awarded.

BIOLOGY: Minor

College of Sciences
Department of Biology, BL 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Credit Hour Requirements 31 hrs

Required Courses (31 hrs)

- BSC 2010C Biochemistry I 4 hrs
- BSC 2011C Biochemistry II 4 hrs
- PCB 2045C Chemistry Fundamentals I 4 hrs
- PCB 2046 Chemistry Fundamentals II 3 hrs
- PCB 2111L Organic Chemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Biology or Biology Preprofessional majors.

BUSINESS: Minor

(for Non-Business Majors)

College of Business Administration, BA2 101
Not available to Business majors
Contact: Undergraduate Student Services, BA2 101, 407-823-2184

Required Accounting Courses (6 hrs)

- ACCT 2021 Principles of Financial Accounting
- ACCT 2071 Principles of Managerial Accounting

Required Courses (18 hrs)

- ECO 2013 Microeconomics
- ECO 2033 Macroeconomics
- FIN 3403C Business Finance
- MAN 3025 Management of Organizations
- MAR 3023 Marketing

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 twelve 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.

CHEMISTRY: Minor

College of Sciences
Department of Chemistry, CH 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Contact: Cherie Geiger

Credit Hour Requirements 28 hrs

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
Minors

CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3210 Analytical Chemistry & Lab 4 hrs
*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

Restricted Upper Division Electives  (7 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 **

CHM 3212L Organic Laboratory Techniques II
CHM 4130 Advanced Analytical Laboratory Technique
BCH 4103L Biochemical Methods
CHS 3530C Forensic Analysis of Controlled Substances
CHM 3411L Physical Chemistry Laboratory
CHM 5461C Polymer Chemistry Laboratory

**Group II: **

BCH 4053 Biochemistry I
BCH 4054 Biochemistry II
CHM 3410 Physical Chemistry I
CHM 3411 Physical Chemistry II
CHM 3422 Applied Physical Chemistry
CHM 5225 Advanced Organic Chemistry I
CHM 4220 Organic Chemistry III
CHS 4200 Concepts in Industrial Chemistry
CHM 5235 Applied Molecular Spectroscopy
CHM 5450 Polymer Chemistry
CHS 4615 Environmental Chemistry

**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 11 hours used in the minor must be earned at UCF within the department, with a minimum GPA of 2.0.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**COACHING: Minor**

**College of Education**

**Department of Child, Family and Community Sciences**

**ED 209**

Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598, E-mail: mitchell@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

**Credit Hour Requirements**

18 hrs

**Required Courses**

(15 hrs)

*PET 2622C Human Injuries 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 3493 Sports and Ethics 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs

**Select one course from the following:**

(3 hrs)

PEO 3264 Coaching Football or
PEO 3264 Coaching Basketball or
PEO 3322 Coaching Volleyball

*If the student has completed this course at a community college it can be transferred into the program.

**Other Requirements **

- An overall GPA of 2.0 is required to satisfy the minor.
- 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 TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**COGNITIVE SCIENCES: Minor**

**College of Arts and Humanities**

**Philosophy Department, PSY 220**

http://www.cah.ucf.edu/philosophy/

E-mail: philosophy@ucf.edu

Contact: Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

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 science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

**Credit Hour Requirements**

21 hrs

Note: It is the student’s responsibility to satisfactorily complete all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

**Foundation Courses**

(15 hrs)

Select from at least 4 subject areas

**Neuroscience**

PSB 3002 Physiological Psychology (PR: PSY 2012)
PSB 4240C Neuropsychology (PR: PSB 3002)
ZOO 744 Neurobiology (PR: BSC 2010C)
PSB 4422 Brainwaves and Behavior (PR: PSB 3002)

**Philosophy**

PHI 3320 Philosophy of Mind (PR: PHI 2100 or C.I.)
PHI 3223 Minds and Machines (PR: PHI 2100 or C.I.)
PHI 4341 Ways of Knowing (PR: PHI 2100)
PHI 3451 Philosophy of Psychology (PR: Junior or C.I.)
PHI 4400 Philosophy of Science

**Psychology**

EXP 3604C Cognitive Psychology (PR: PSY 2012)
EXP 4507C Advanced Human Memory and Cognition (PR: PSY 3213C and EXP 3604C)
EXP 3204C Perception (PR: PSY 2012, PSY 3213C)

**Computer Science and Information Technology**

CAP 4453 Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)
CAP 4630 Artificial Intelligence (PR: COP 3530C)
EEL 3511 Information Theory (PR: MAC 2147 or any calculus course; not open to EE or Cpe majors)
EEL 3552C Signal Analysis & Communications (PR: EEL 3004)

**Language and Linguistics**

LIN 3010 Principles of Linguistics (PR: ENC 1102)
LIN 3716 Language Development: Birth Through 8 Years (PR: DEP2004)
LIN 3717 Language Development: 9-18 Years (PR: LIN 3716)
PSY 3703 Psychology of Oral Communication

**Restricted Electives**

(6 hrs)

**ANT 3541 Biobehavioral Anthropology**
**ANT 3550 Primatology** (PR: ANT 2511 or C.I.)
**ANT 3640 Language and Culture** (PR: Sophomore standing)
**ANT 4586 Human Origins** (PR: ANT 2511)
**CAP 4630 Introduction to Artificial Intelligence** (PR: COP 3530C)
**CAP 4520 Concepts of Parallel Distributed Processing** (PR: COP 3530C and COP 3402)
**CAP 5015 Multimedia Compression on the Internet** (PR: senior or graduate student)
**CAP 5415 Computer Vision** (PR: COP 3530C)
**CAP 5512 Evolutionary Computing**
**COP 4520 Concepts of Parallel and Distributed Processing** (PR: COP 3530C and COP 3402)
**LIN 4711 Language Analysis** (PR: LIN 3716 and LIN 3717)
**LIN 4711L Language Analysis Lab** (PR: LIN 3716 and LIN 3717)
**PHI 3626 Advanced Ethics in Science and Technology** (PR: COP 3502C or DIG 2000 or C.I.)
**PHI 2101 Critical Thinking**
**PHI 2101 Formal Logic I**
**PHI 4500 Metaphysics** (PR: Philosophy Major or C.I.)
**PHI 4321Philosophies of Embodiment** (PR: Junior standing and either PHI 2100, PHI 2101, PHI 2101, or C.I.)
**MAP 4103 Mathematical Modeling I** (PR: MAC 2311 or MAC 2281, and MAP 2302)
**PSY 4025 The Psychology of Art** (PR: PSY 2012 and ARH 205x)
COMMUNICATION SCIENCES AND DISORDERS: Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders
http://www.cohpa.ucf.edu/comdis

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study require prior approval from the advisors to be used toward the minor.

LICENSED SPEECH-LANGUAGE PATHOLOGY AND AUDIOLGY ASSISTANT

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 of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

COMMUNITY ARTS—PAVE: Minor
College of Arts and Humanities
Department of Art, VAB 117
http://www.art.ucf.edu/

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.

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 department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMPUTER SCIENCE: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu

Credit Hour Requirements
Required Courses
19 hrs
- COP 3223 Intro to Programming with C
- COP 3330 Intro to Object Oriented Programming
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- COP 3100C Introduction to Discrete Mathematics
- or MAD 2104 Foundations of Discrete Mathematics
- EEL 3801 Comp. Organization

Other Requirements
- Not open to Computer Science or Information Technology majors.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

CRIMINAL JUSTICE: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
E-mail: cjadvise@mail.ucf.edu

Contact: Mary Ann Eastep, 407-823-3598

Credit Hour Requirements
18 hrs
Required Courses
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

Restricted Electives
- Two of the following:
  - CJL 3510 Prosecution and Adjudication 3 hrs
  - CJC 3010 Corrections and Penology 3 hrs
  - CJE 4014 Police and Society 3 hrs
  - Six semester hours of Criminal Justice Courses 6 hrs

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu

Contact: Brian Vernon, 407-823-2862, E-mail: bvernon@mail.ucf.edu

Credit Hour Requirements
18 hrs
Entrance Requirement
A successful audition

Required Courses
11 hrs
- DAN 3134 Dance History I 3 hrs
- DAN 3612 Dance Improvisation/Composition I 3 hrs
- DAN 2100C Modern Dance I 2 hrs
- DAN 2200C Ballet I 2 hrs
- DAN 3084 Dance Performance 1 hr

Electives
7 hrs
- DAA 2570C Jazz Dance I 2 hrs
- DAA 2571C Jazz Dance II 2 hrs
- DAA 2520C Tap Dance I 2 hrs
- DAA 2521C Tap Dance II 2 hrs
- DAA 3524C Tap Dance III 2 hrs

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Minors

DA 2201C Ballet II 2 hrs
DA 3208C Ballet III 2 hrs
DA 2101C Modern Dance II 2 hrs
DA 3108C Modern Dance III 2 hrs
DA 2393C World Dance 2 hrs
DA 3645 Choreography Practicum 2 hrs
DA 3684 Dance Performance 1 hr
TPA 2290L Theatre Participation 1 hr

Other Requirements:
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of three different dance styles must be completed in the minor.

DIGITAL MEDIA: Minor

College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu
Interim Chair of Department of Digital Media: Dr. José Maunez-Caudra, 407-823-6100

Credit Hour Requirements: 18 hrs
Required Courses: 12 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 3138C Digital Imagery 3 hrs
COP 2500C Concepts in Computer Science 3 hrs
DIG 3716C Internet Interaction 3 hrs

Restricted Elective Courses: 6 hrs
Select two courses:
DIG 3298C Assembling Digital Media 3 hrs
DIG 3253C Digital Media Audio 3 hrs
DIG 2821 Creative Digital Problem Solving 3 hrs
DIG 2485 Visual Language of the Moving Image 3 hrs
DIG 3480C Computers as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3563 Information Management and Authorship 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
DIG 4524C Modeling for Real-time Systems II 3 hrs
DIG 4455 Interactive Performance II 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4779C Modeling for Real-time Systems I 3 hrs
DIG 4630C Media for E-Commerce II 3 hrs
DIG 4530C Media for E-Commerce I 3 hrs

Or - any 3000 or 4000 level courses approved by the Department of Digital Media.

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 may be used in the minor only with prior written permission.

ECONOMICS: Minor
(for Business and Non-Business Majors)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not available to Economics Majors
Advisors: Michael Caputo, BA 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

Credit Hour Requirements: 18 hrs
Required Courses: 9 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following two courses:
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Microeconomics 3 hrs

Upper Division Restricted Electives: 9 hrs
Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.

Note: ECO 3401 (or equivalents) is a prerequisite for ECO 3101 and ECO 3203.

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.

The Early Childhood Education minor is intended to provide a limited, but substantive experience in the fields of education and early childhood education. The minor 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 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 education, 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.

Total Credit Hour Requirements: 21 hrs
Required Courses: 18 hrs
ECE 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
ECE 4268 Curriculum Activities in Early Childhood 3 hrs
ECE 4604 Class Mgt & Gd Yng Child 3 hrs
ECE 3700 Social and Emotional Development of Young Child 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs

Restricted Electives (select one): 3 hrs
EEX 4751 Parent Involvement 3 hrs
ECE 4303 Planning Creative Activities in Early Childhood 3 hrs
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
SCE 4304 Science Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing and Language Arts 3 hrs

Note: Completion of the minor does not complete the requirements for certification in Early Childhood Education nor does it constitute admission to the College of Education.
The minor in emergency management and homeland security 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.

Credit Hour Requirements
Core Courses 18 hrs
EDF 4603 Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4467 Learning Theory & Assessment 3 hrs
EDG 4410 Teaching Strategies & Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade Twelve 3 hrs
TSL 4080 Theory & Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (select one) (3 hrs)
MAE 4834 Programs in Teaching Mathematics 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4542 Teaching Language/Composition 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs

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.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- 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, HPA2 238
Contact: Naim Kapucu, 407-823-2604, E-mail: nkapucu@mail.ucf.edu
The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycles, including emergency preparedness, prevention/mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or private and 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 emergency management and homeland security agencies.

Credit Hour Requirements 18 hrs
Core Courses
PAD 4111 Intergovernmental Administration 3 hrs
PAD 4304 Emergency Management and Homeland Security 3 hrs
PAD 4712 Information Systems for Public Managers 3 hrs
PAD 4395 Disaster Response and Recovery 3 hrs
PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (select one) (3 hrs)
DSC 4012 Conflict & Terrorism 3 hrs
DSC 4013 Homeland Security and Criminal Justice 3 hrs

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 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.

ENERGY AND SUSTAINABILITY:
INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Paul Edlen, 407-823-2455, E-mail: paulea@mail.ucf.edu
Participants in the proposed 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.

Admissions Criteria:
A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
IDS 2150 Foundations of Environmental Studies 3 hrs
EGN 4824 Energy and Society 3 hrs
IDS 4XXX Advanced Topics in Energy and Sustainability 3 hrs

Select one course from the following two courses:
GEB 4152 Technological Entrepreneurship 3 hrs
IDS 4849 Internship 3 hrs

Internship proposals must be approved by the Energy Sustainability Minor program coordinator in coordination with faculty from the Office of Experiential Learning.

Restricted Elective Courses (6 hrs)
Select any two elective courses from the following courses:

Renewable Energy
EEL 4216 Fundamentals of Electric Power Systems 3 hrs
EGN 4730 Renewable Energy Systems 3 hrs
EGN 4000C Hydrogen Production and Handling 3 hrs
EGN 4731C Fuel Cell Technologies 3 hrs

Mechanical Energy Systems Design
ETM 4220 Applied Energy Systems 4 hrs
EML 4454 Turbines for Sustainable Power 3 hrs
EML 4600 HVAC Systems Engineering 3 hrs
EML 4602 Applied HVAC Engineering 3 hrs
EML 4411 Mechanical Power Systems 3 hrs

Water, Environment and Waste Management
ENV 3001 Introduction to Environmental Engineering 3 hrs
ENV 4120 Air Pollution Design 3 hrs
ENV 4341 Solid and Hazardous Waste Management 4 hrs
ENV 4561 Environmental Engineering Process Design 4 hrs

Business and Public Policy
REE 3614 Environmental Issues in Real Estate 3 hrs
ECP 3302 Economics and the Environment 3 hrs
ECP 4302 Environment and Natural Resource Economics 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
PUR 3203 Environmental Politics 3 hrs
PUR 4209 Urban Environmental Policy 3 hrs
SYD 4510 Environmental Sociology 3 hrs
Minors

Other Requirements
- A minimum grade of “C” (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

ENGINEERING LEADERSHIP: Minor
College of Engineering and Computer Science
Department of Industrial Engineering & Management
Systems, ENG 312, 407-823-2204
http://www.ime.s.ucf.edu

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.

Credit Hour Requirements 18 hrs

Admission Requirement
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.

Required Courses (18 hrs)
- EGN 3613 Engineering Economy 2 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 4191C Engineering Leadership I (Fall) 2 hrs
- EIN 4192C Engineering Leadership II (Spring) 2 hrs
- Two Engineering Design courses 6 hrs

Other Requirements
- A minimum GPA of 3.0 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.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.
- Only open to CECS undergraduate students

ENGLISH - LITERATURE: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements 21 hrs

Required Courses
- ENG 3014 Theories and Techniques of Lit Study 3 hrs

Restricted Upper Division Electives (9 hrs)
- Select one course after completing CRW 3013

Choose 18 hours from the following Required courses
- Engl 3211 Theory & Practice of Tech Writing 3 hrs
- Engl 3212 Technology & the Written Word 3 hrs
- Engl 4221 Philosophy of Language 3 hrs
- Eng 4222 Philosophy of Science 3 hrs
- ENG 4223 Philosophy and Technology 3 hrs
- Eng 4224 Philosophy of Science 3 hrs
- Eng 4225 Philosophy and Technology 3 hrs
- Eng 4226 Theory & Practice of Tech Writing 3 hrs
- Eng 4227 Technology & the Written Word 3 hrs
- Eng 4228 Philosophy of Language 3 hrs
- Eng 4229 Philosophy of Science 3 hrs
- Eng 4230 Philosophy and Technology 3 hrs
- Eng 4231 Theory & Practice of Tech Writing 3 hrs
- Eng 4232 Technology & the Written Word 3 hrs
- Eng 4233 Philosophy of Language 3 hrs
- Eng 4234 Philosophy of Science 3 hrs
- Eng 4235 Philosophy and Technology 3 hrs
- Eng 4236 Theory & Practice of Tech Writing 3 hrs
- Eng 4237 Technology & the Written Word 3 hrs
- Eng 4238 Philosophy of Language 3 hrs
- Eng 4239 Philosophy of Science 3 hrs
- Eng 4240 Philosophy and Technology 3 hrs

Students completing the minor may intern with a Central Florida corporation

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.

ENGLISH - LINGUISTICS: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements 18 hrs

Required Courses (9 hrs)
- LIN 3101 Introduction to Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Upper Division 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 3640 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

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, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements 21 hrs

Required Course
- ENG 3014 Theories and Techniques of Lit Study 3 hrs

Restricted Upper Division Electives (18 hrs)
- Select one course with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - CREATIVE WRITING: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements 21 hrs

Required Course
- CRW 3013 Creative Writing for English Majors 3 hrs

Restricted Elective Courses (6 hrs)
- Select one course after completing CRW 3013

Choose 18 hours from the following Required courses
- ENC 3211 Theory & Practice of Tech Writing 3 hrs
- ENC 4211 Technical Publication and Project Management 3 hrs
- ENC 4212 The Visual in Technical Communication 3 hrs
- ENC 4249 Technical Writing Style 3 hrs
- ENC 4292 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs

No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

UNIVERSITY OF CENTRAL FLORIDA
2009-2010 Undergraduate Catalog
Minors

ENTREPRENEURSHIP: Business Minor
(Open to Business Students)
College of Business Administration
Management Department, BA 309
Not available to Management Majors
Credit Hour Requirements 18 hrs
Required Courses
- MAN 3301 Human Resource Management
- MAN 4802 Entrepreneurship
- MAR 3391 Professional Sales
  or MAR 3541 Marketing Intelligence
- GEB 4111 New Venture Finance
- GEB 4110 Business Plan Preparation
Restrictive Elective (3 hrs)
Any 3000 or 4000 MAN course or BUL 4540 not in COB Common Body of Knowledge

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

ENTREPRENEURSHIP: Minor for Non-Business Majors
College of Business Administration
Department of Management, BA 309
Credit Hour Requirements 18 hrs
Required Introductory Courses (11 hrs)
- MAN 3025 Management of Organizations
- MAR 3023 Marketing
- GEB 3113 How to Start a Business
or
- MAN 3301 Human Resource Management
Required Entrepreneurship Courses (9 hrs)
- MAN 4802 Entrepreneurship
- GEB 4111 New Venture Finance
- GEB 4110 Business Plan Preparation

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 six hours of required or elective coursework can count toward another major or minor degree program.

ENVIRONMENTAL STUDIES: Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 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 introspective and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.
Minors

Credit Hour Requirements 21 hrs

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 Course
- IDS 3150 Foundations of Environmental Studies (3 hrs)

Science & Environmental Electives (9 hrs)
- BSC 1050&L Biology and Environment + Lab
- BSC 2011C Biology II
- BOT 3152C Local Flora
- BOT 4152C Florida Wildflowers
- BOT 3800 Ethnobotany
- BOT 4323C Plant Kingdom
- BOT 4668C Conservation and Management of Native Plants
- BOT 4713C Plant Taxonomy
- BSC 4312C Marine Biology
- OCE 3008 Oceanography
- PCB 3044&L Principles of Ecology and Lab
- PCB 3442 Florida Aquatic Ecology
- PCB 4302C Physiological Limnology
- PCB 4330C Biological Limnology
- PCB 4803 Evolutionary Biology
- CHM 3120 Analytical Chemistry
- HSC 4500 Epidemiology
- ENV 3001 Introduction to Environmental Engineering
- ENV 4341 Solid Waste Management
- PCB 3063 Genetics
- PCB 3304C River Ecology
- PCB 3314 Marine Biodiversity

Social & Humanities Electives (9 hrs)
- ECP 3302 Economics and the Environment
- ECP 4302 Economics of the Environment
- ECO 4701 The Global Economy
- INR 4351 International Environmental Law
- PUP 3203 Environmental Politics
- PUP 4503 Government and Science
- PAD 4351 Issues in Environmental Program Management
- PAD 3330 Urban and Regional Planning
- PLA 4554 Land Use and Environmental Law
- PUP 4204 Sustainability
- GEO 2370 Resources Geography
- GIS 3043C GIS for Environmental Studies
- GIS 4301C Advanced GIS Applications in Environmental Studies
- GIS 4033C Remote Sensing of the Environment
- PHI 3033 Philosophy, Religion, and the Environment
- PHI 4400 Philosophy of Science
- PHI 3640 Environmental Ethics
- PHI 4633 Ethics and Biological Science
- PHM 4031 Environmental Philosophy

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisors to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisors.

EUROPEAN STUDIES: Minor

College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@mail.ucf.edu
Contact: Kerstin Hamann, 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.

Credit hour requirements: 21 hrs

Students are responsible for meeting any prerequisites for the courses in the minor.

Required core courses: (6 hrs)
- CPO 4101 Politics of the European Union
- LIT 3082 Continental European Fiction since 1900

Restricted Electives: (12 hrs)

Literature, Film, and Culture: (3 hrs)
- ENL 2022 English Literature II
- ENL 4101 English Novel
- ENL 4240 English Romantic Writers
- ENL 4262 19th Century British Prose
- ENL 4273 Modern British Literature
- FIL 3820 Italian Film
- FIL 3822 French Film
- FIL 3823 German Film
- FRE 4500 French Civilization and Culture
- FRW 4281 20th Century French Novels
- FRW 4324 20th Century French Drama
- FRW 4532 French Romanticism
- FRW 4552 Nineteenth Century French Literature
- GER 3102 Germany - Past to Present
- GER 4520 Modern Germany
- GEW 3101 Survey of German Literature II
- GEW 3370 German Short Story
- GEW 3480 German Post-War Literature
- GEW 4482 German Children’s Literature
- GEW 4531 The Age of Goethe and Schiller
- ITT 4956 Study Abroad: Italian Civilization
- ITW 3101 Survey of Italian Literature II
- JST 2751 Literature of the Holocaust
- LIT 4184 Irish Literature
- MUL 3604 German Song Literature
- MUL 3605 French Song Literature
- SPW 3101 Survey of Spanish Literature I
- SPW 3370 Spanish Short Story
- SPW 4272 20th Century Spanish Novel
- SPW 4322 Contemporary Iberian Theatre
- SPW 4450 Spanish Literary Theory
- SPW 4460 Nineteenth Century Spanish Literature
- SPW 4720 The Generation of 1898

History (6 hrs)
- EUH 3235 Romanticism and Realism
- EUH 3242 Modern Europe and the First World War
- EUH 3281 Second World War and Rebirth of Europe
- EUH 3315 History of Modern Spain
- EUH 3411 Ancient Rome
- EUH 3431 History of Modern Italy
- EUH 3451 History of Modern France
- EUH 4284 Fascism and the Totalitarian Dictatorships
- EUH 4400 The History of Ancient Greece
- EUH 4465 Hitler’s Third Reich
- EUH 4501 English History: 1485-1815
- EUH 4502 English History: 1815-Present
- EUH 4574 History of Russia: 1801-1917
- EUH 4576 History of Russia in the 20th Century
- EUH 4582 20th Century Russian Diplomatic History
- EUH 4610 Women in European Society
- EUH 4620 European Great Powers: 1815-1914
- GER 4510 Life and Culture in Nazi Germany
- JST 3701 History of the Holocaust

Political Science or Economics (3 hrs)
- CPO 3104 Politics of Western Europe
- CPO 3614 Politics of Eastern Europe
- CPO 4074 Political Economy
- CPO 4123 Government and Politics of Great Britain
- CPO 4445 Comparative Political Parties
- CPO 4643 Government and Politics of Russia
- ECO 3703 International Trade
- INR 4035 International Political Economy

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
- ARH 4430 19th Century Art
- ARH 4450 20th Century Art
- PHH 3510 Marx and Nietzsche
- PHP 3783 Modernity as a Philosophical Problem
- PHP 3786 Existentialism
- PHP 4782 Phenomenology

Any course substitutions are subject to prior approval by the director.

Foreign Language Requirement:
Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).
EXCEPTIONAL EDUCATION: Minor
College of Education
Department of Child, Family and Community Sciences
ED 209
http://www.education.ucf.edu
Program Contact: Linda Alexander, ED 315, 407-823-2598; E-mail: lalexand@mail.ucf.edu

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is appropriate for students who are seeking an enhanced understanding of exceptional education or are considering a career in the field of education or related fields. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2001 catalog year and beyond. The minor does not lead to teacher certification nor admission to the College of Education.

Credit Hour Requirements
Required Courses
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EEX 4763 Tech for Classroom Teachers of Students with Spec Needs 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EEX 4601 Curriculum, Theory & Instruct Strategies 3 hrs
- EEX 4604  International Financial Management  3 hrs
- EEX 4453  Financial Models   3 hrs
- EEX 4313  Management of Financial Institutions  3 hrs
- EEX 4066  Curriculum, Theory & Instructor Strategies 3 hrs
- EEX 4324  Commercial Bank Management  3 hrs
- EEX 4304  Investment Analysis  3 hrs
- EEX 4312  International Financial Management  3 hrs

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

FINANCE: Minor
Open to Business and Non-Business Students
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance
Not available to Finance Majors

Credit Hour Requirements
Prerequisite courses:
- ACG 2071 Principles of Managerial Accounting
- ECO 2020 Principles of Microeconomics
- ECO 2023 Principles of Macroeconomics

Required courses
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- FIN 3303 Financial Markets 3 hrs

Electives (select three of the following)
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3451 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 3513 Management of Financial Institutions 3 hrs
- FIN 4424 Advanced Topics in Financial Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- 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.

FILM - CINEMA STUDIES: Minor
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@ucf.edu
Department Chair: S. Schlow, 407-823-2845

Entrance Requirement
- Completion of a Minor Declaration and Minor Application

Credit Hour Requirements
Required Courses
- FIL 1007 Foundations of Story or Cinema Survey 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Restricted Electives (Choose Two)
- FIL 3363C Film Documentary 6 hrs
- FIL 3880C Women in Film 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs

Other Requirements
- A minimum GPA of 2.0 or better is required for all courses counting towards the minor.
- A maximum of 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

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.
Minors

FITNESS TRAINING: Minor
College of Education
Department of Child, Family and Community Sciences, ED 209
Program Coordinator: Anna Valdes, ED 320H, 352-536-2141; E-mail: asarmien@mail.ucf.edu

The Fitness Training minor is developed to provide the student interested in working in wellness centers as personal trainers the knowledge and experience 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.

Credit Hour Requirements

*19 hrs

Required Courses

- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- PET 4083 Practical Fitness Training 3 hrs
  - (Take Last - Only offered once a year)
- *ZOO 3736C Exercise Physiology Anatomy 4 hrs
  - (Take First)

Restricted Electives - Choose 2 classes from the following:

- PET 3393 Nutrition for Sports and Fitness 3 hrs
- PET 3771 Fitness and Conditioning Concepts 3 hrs
- PET 3768 Group Exercise Instruction
- PET 4515 Applied Exercise and Human Physiology
- PET 4215 Motivational Aspects of Athletic Performance

*If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C.

Note: ZOO 3736C should be taken prior to PET 4312, PET 4550, and PET 4083.

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.

FRENCH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mill.caah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements

*18 hrs

Restricted Electives

- 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.

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
Modern Languages and Literatures, CNH 523
http://mill.caah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements

*18 hrs

Restricted Electives

- 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.

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 INFORMATION MANAGEMENT: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Alice M. Noblin, RHIA, 407-823-2353, E-mail: anoblin@mail.ucf.edu

Credit Hour Requirements

*20 hrs

Required Courses

- HIM 3006 Foundations of Health Information Management 3 hrs
- HIM 4506C 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

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, HPA2 212
Contact: L. Timothy Worrell, 407-823-5236, E-mail: worrell@mail.ucf.edu

Credit Hour Requirements

*18 hrs

Required Courses

- (9 hrs)
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - HUN 2002 Modern Concepts of Nutrition 3 hrs
  - HSC 3110C Medical Self Assessment 3 hrs

Restricted Upper Division Electives

9 additional hours of upper division courses in the Health Professions department.

Other Requirements

- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Kendall Cortelyou-Ward, PhD, 407-823-2359, E-mail: hsainfo@mail.ucf.edu

Credit Hour Requirements

*18 hrs

Required Courses

- (15 hrs)
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - HSC 4201 Community Health Services 3 hrs
  - HSA 4180 Org and Management for Health Agencies I 3 hrs
  - HSA 4191 Health Care Automation 3 hrs
  - HSC 4500 Epidemiology 3 hrs
Minors

HUMANITIES: Minor

College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.cah.ucf.edu/philosophy
E-mail: philosophy@ucf.edu

Contact: Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes 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.

Credit Hour Requirements

21 hrs

Humanities Foundations

6 hrs

Select two courses:

- HUM 3431 Ancient Humanities
- HUM 3435 Medieval Humanities
- HUM 3255 Modern Humanities
- HUM 3253 Contemporary Humanities

Humanistic/Religious Traditions

6 hrs

Select two courses:

- HUM 3401 Asian Humanities
- HUM 3417 Hindu Thought and Culture
- HUM 3419 Islamic Thought and Culture
- HUM 3552 Christian Thought
- HUM 3553 Moses, Jesus and Muhammad
- ANT 3245 Native American Religions
- PHH 3701 Native American Philosophy
- JST 3401 The Jewish People

Applications

6 hrs

Select two courses:

- PHI 3803 Philosophy and Creativity
- PHI 3033 Philosophy, Religion, and the Environment
- PHM 3123 Feminist Theories
- REL 3115 Religion, Spirituality, and Popular Music
- REL 3111 Religion and Philosophy through Film
- HUM 4554 Religious Quest and the Human Dilemma
- HUM 4330 Performance Theory
- PHI 3022 Sexuality, Gender & Philosophy
- PHI 3638 Ethical Issues in the 21st Century
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective

3 hrs

Select one additional course from the above list or from the following:

- HUM 3320 Contemporary Multicultural Studies
- HUM 4301 Classical Ideal
- HUM 4303 Spiritual Ideal
- PHI 4804 Critical Theory
- PHI 3800 Aesthetics
- PHI 3700 Philosophy of Religion
- CLT 3370 Classical Mythology
- HFT 3278 Comparative Mythology

Other Requirements

- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

HISTORY: Minor

College of Arts and Humanities
Department of History, CNH 551
http://www.history.ucf.edu/
E-mail: history@ucf.edu

Contact: Rosalind J. Beiler, 407-823-2225

Credit Hour Requirements

18 hrs

Restricted Upper Division Electives

15 hrs

History Elective

3 hrs

Any course taught within the History Department

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
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu

Dean: Abraham Pizam

Credit Hour Requirements

18 hrs

Restricted Elective

3 hrs

HSC 4652 Health Care Law & Ethics or
HSA 4502 Risk Management or
HIM 4506 Quality Management or
HSA 4702 Health Science Research Methods

(Additional prerequisite courses may be required)

Other Requirements

- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward 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.
Minors

INFORMATION TECHNOLOGY: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 246
http://www.eecs.ucf.edu
Contact: Mark Llewellyn, E-mail: mark@cs.ucf.edu

Credit Hour Requirements 18-19 hours
Required Courses (3-7 hrs)
Select one of the following options:
Option 1 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
CGS 1060C or CGS 2100C 3 hrs
COP 3502C Concepts in Computer Science 4 hrs
Option 2 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
COP 3223 Intro to Programming with C 3 hrs
COP 3502C Concepts in Computer Science I 3 hrs
Option 3 (Computer Science Minors and Interdisciplinary Studies Majors Only):
CGS 1060C or CGS 2100C 3 hrs

Restricted Electives (9 hrs)
Select from the following:
CGS 2545C Database Concepts 3 hrs
CGS 2585C Desktop/Internet Publishing 3 hrs
CGS 3175 Internet Application 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Networks Concepts 3 hrs
CGS 3763 Operating Systems Concepts 3 hrs

College Electives (3-6 hrs)
Options 1 and 2 3 hrs
Options 3 6 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internship, and those courses listed under Required Courses). See other requirements.

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least nine hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

INTELLIGENT ROBOTIC SYSTEMS (IRS):
INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Paul Edlen, 407-823-2455, E-mail: paule@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
EGN 3060C Introduction to Robotics 3 hrs

Select two courses from the following five courses:
Control Systems
EEL 3657 Linear Control Systems 3 hrs
EML 4312C Feedback Control 3 hrs
Manipulation and Rigid Body Motion
EGN 3221 Engineering Analysis – Dynamics 3 hrs
EGN 3262 Kinematics of Mechanism 3 hrs
Computer Vision and Intelligent Systems
CAP 4465 Robot Vision 3 hrs

If a student chooses to take a third course, it will be counted as an elective.
Elective Courses (9 hrs)

Select any three elective courses from the following courses:
Path Planning, Autonomous Systems, Controls, Signal/Imaging Processing
EEL 5669 Autonomous Robotic Systems 3 hrs
EEL 4612 Intro to Modern and Robust Ctrl 3 hrs
EEL 4750 Digital Signal Proc Fund 3 hrs
EEL 5173 Linear Systems Theory 3 hrs
EEL 5513 DSP Applications 3 hrs
EEL 5650 Digital Control Systems 3 hrs
EEL 5820 Image Processing 3 hrs
EEL 5825 Pattern Recognition 3 hrs
EML 5311 System Control 3 hrs

Computer Vision and Intelligent Systems
CAP 5415 Computer Vision 3 hrs
CAP 5512 Evolutionary Computation 3 hrs
CAP 5610 Machine Learning 3 hrs

Mechatronics and MEMS
EML 4804C Digital Control in Mechatronics 3 hrs
EEL 5625 Applied Control Systems 3 hrs
EML 5290 Intro to MEMS & Micromachining 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGN 4412C and EGN 4413C) and to undertake a project in intelligent robotic systems.
- A high-level programming language class (EGN 3211 or COP 3223 or equivalent) is required for 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.

INTERDISCIPLINARY INFORMATICS TECHNOLOGY (i²Tech): Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
http://www.eecs.ucf.edu/i2Tech/
Contact: Mark Llewellyn, E-mail: mark@cs.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
CET 3010 Introduction to Information Technology 3 hrs
CGS 3060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business or COP 3502C Introduction to Computer Science I 3 hrs
CGS 3175 Internet Applications 3 hrs

Healthcare Informatics Concentration (9 hrs)
CGS 4144 Introduction to Informatics 3 hrs
HIM 3006 Introduction to Health Information Management 3 hrs
HSA 4191 Health Care Automation 3 hrs

Technical Elective
Students should consult with the program coordinator for a list of the approved technical electives.

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, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Waltraud Morales, 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.

Other 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.
**INTERNATIONAL ENGINEERING: Minor**

College of Engineering and Computer Science  
CECS Academic Affairs Office, ENGR 107  
http://www.cecs.ucf.edu

The objective of this minor is to provide engineering, computer science, and engineering technology 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.

**Admission Requirement**

Admission by interview with the Program Director

**Credit Hour Requirements** 18-20 hrs  

The International minor in Engineering, Computer Science, or Engineering Technology is composed of three parts:

1) **Language Skill Acquisition** (6-8 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 where English is widely spoken.

If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of:

- IDS 3333 World Comparative Studies  
- GEO 3471 World Political Geography  

(Or an equivalent approved by the program coordinator)

2) **Cultural Courses** (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 three ways, in decreasing order of preference:

- IDS 3333 World Comparative Studies  
- GEO 3471 World Political Geography  
- GEO 3471 World Political Geography (Or an equivalent approved by the program coordinator)
Minors

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.

2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

3) If such a mapping cannot be made, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

3) Study Abroad Experience (9 hrs)

The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:

(1) complete nine hours of technical coursework (classroom studies) in residence at a partner institution abroad, or

(2) complete six hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (three hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

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 equivalences 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.

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION: Minor

College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu
Contact: R. Morales

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements 21 hrs

Required Courses (12 hrs)

- COM 3311 Communication Research Methods
- COM 301C Communication and Human Relations
- COM 3120 Organizational Communication
- SPC 3301 Interpersonal Communication

Restricted Electives (9 hrs)

- SPC 3513 Argumentation & Debate
- SPC 3110 Business & Professional Communication
- SPC 4014 Gender Issues in Communication
- SPC 4331 Nonverbal Communication
- SPC 4540 Attitudes and Communication
- SPC 4426 Group Dynamics
- SPC 4461 Intercultural Communication
- SPC 4462 Conflict Management
- COM 3013 Communication and the Family
- COM 3406 Communication and Motivation

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

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 School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

ITALIAN: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs

Restricted Electives
- 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.

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.

JUDAIC STUDIES: Minor

College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@pegasus.cc.ucf.edu

Program Director: 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 English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women’s 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.

Credit Hour Requirements 18 hrs plus Hebrew (8 hrs)

Required Courses (or proficiency) in Hebrew (8 hrs)

- HBR 1120 Elementary Modern Hebrew Lang and Cult I
- HBR 1121 Elementary Modern Hebrew Lang and Cult II

Upper Division Courses (18 hrs)

- Jewish History
  - JST 3401 The Jewish People I
  - JST 3402 The Jewish People II
  - JST 3481 20th Century Jewish History and Thought
  - JST 4170 Jewish History and the Holocaust
- Bible
  - JST 3322 The Book of Job
  - JST 3125 The Book of Job
  - JST 3126 Romantic Love in the Bible
  - JST 3144 Dead Sea Scrolls
- Literature
  - JST 3300 The Hebrew Creative Mind
  - JST 3312 Identity and Genre
  - JST 3751 Literature of the Holocaust
- Culture
  - JST 3450 Modern Jewish Experience
  - JST 3820 Modern Hebrew Culture
  - JST 3810 The Jewish National Movement
- Language
  - HBR 2200 Intermediate Modern Hebrew Language and Culture I
  - HBR 2201 Intermediate Modern Hebrew Language and Culture II
  - HBR 3250 Biblical Hebrew
  - HBR 3410 Conversational Israeli Hebrew

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 School of Communication.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.
Latin America Area Studies: Minor
College of Arts and Humanities
CNH 406 E & 406 F, 407-823-1173 or 1174
Program Director: José M. Maunez-Cuadra,
E-mail: jmaunez@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary language skills for, 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.

Credit Hour Requirements 18 hrs

Admission Requirement
Admission by interview with the Program Director.

Required Skills
Successful completion of SPN 1120C and SPN 1121C or demonstration of proficiency.

Restricted Electives (18 hrs)
At least six hours must be from one disciplinary group, and at least three hours from two additional groups. The other 12 must 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
- ANT 3168 Maya Archaeology
- ANT 4340 Caribbean Cultures
- ANT 4308 Gender Issues in Latin America
- ANT 3168 Maya Archaeology

Art History:
- ARH 4655 Meso American Art
- ARH 3673 Modern Art of Mexico
- ARH 3670 20th Century Latin American Art

Modern Languages and Literature:
- SPN 2200 Intermediate Spanish Language & Civilization
- FRW 3770 Francophone Literature
- SPN 3130 Survey of Latin American Literature I
- SPW 3131 Survey of Latin American Literature II
- LIT 3192 Caribbean Literature
- FRW 3752 French Caribbean Literature
- SPN 4382 Literature of Central America
- AML 3615 Harlem, Haiti, and Havana
- AML 4630 Latino/Latina Literature
- SPN 3852 Bilingualismo
- SPN 4720 Hispanic Literature of the United States
- SPN 4780 Spanish Phonetics

History:
- LAH 3130 Latin American History I
- LAH 3200 Latin American History II
- LAH 3400 History of Mexico and Central America
- LAH 3470 History of the Caribbean
- AMH 3586 History of the Hispanic minorities in the US

Latin American Studies:
- LAS 4906 Independent Study in Latin American, Caribbean and Latino Studies
- LAS 4023 African Caribbean Experience

Political Science:
- CPO 4303 Comparative Latin American Politics
- INR 4243 International Politics of Latin America
- CPO 5334 Contemporary Politics in the Maya Region

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, Independent Study credit cannot be used toward the minor.

Restricted Electives (15+ hrs)
Choose one course from each of the five areas.

A. Communication

- COM 3011C Communication and Human Relations (PR: COM 3111) (3 hrs)
- COM 3120 Organizational Communication (PR: COM 3111) (3 hrs)
- COM 4461 Intercultural Communication (PR: COM 3111) (3 hrs)
- COM 4462 Conflict Management (PR: COM 3111) (3 hrs)
- ENC 3250 Professional Writing (PR: Grade of C or better required in ENG 1102; junior standing; 12 upper division hours in the student’s major) (3 hrs)
- SPC 3445 Leadership Through Oral Communication (PR: COM 3120 and COM 3111 or CI) (3 hrs)

B. Collaboration

- INP 3004 Industrial/Organizational Psychology (PR: PSY 3202 or CI) (3 hrs)
- INP 4313 Organizational Psychology (PR: INP 3004) (3 hrs)
- MAN 4240 Organizations: Theory and Behavior (PR: Management major, MAN 3025) (4 hrs)
- MAN 3025 Management of Organizations (PR: required for minor) (4 hrs)
- SPC 4426 Group Dynamics (PR: COM 3111) (3 hrs)

C. Social Relations and Culture

- ANT 3541 Biobehavioral Anthropology (3 hrs)
- CLP 3143 Abnormal Psychology (PR: PSY 2012) (3 hrs)
- COM 4461 Intercultural Communication (PR: COM 3111) (3 hrs)
- EXP 3304 Motivation (PR: PSY 2012) (3 hrs)
- SOP 3004 Social Psychology (PR: PSY 2012) (3 hrs)
- SOP 3723 Cross Cultural Psychology (PR: PSY 2012) (3 hrs)
- SOP 3742 Psychology of Women (PR: PSY 2012) (3 hrs)
- SOP 3784 Psychology of Diversity (PR: PSY 2012) (3 hrs)

D. Politics

- PAD 3003 Public Administration in American Society (PR: POS 2041) (3 hrs)
- PAD 4104 Administration Theory (PR: PAD 3003 or CI) (3 hrs)
- PAD 4144 Non-Profit Organizations (PR: PAD 3003 or CI) (3 hrs)
- PAF 4754 Interdisciplinary Leadership in Public Affairs (PR: ENC 1101 or CI) (3 hrs)
- POS 3413 The American Presidency (PR: POS 2041 or CI) (3 hrs)
- POS 4206 Political Psychology (3 hrs)

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PUP 3325 Women and Political Behavior (3 hrs)
—Offered every two years
SYO 4300 Political Sociology (3 hrs)

E. Ethics
BUL 3130 Legal and Ethical Environment of Business (4 hrs)
EDF 3601 Professional Ethics in Education (3 hrs)
PAD 3040 Ethics and Values in Public Administration (3 hrs)
(PR: Junior standing or CI)
PHI 2108 Critical Thinking (3 hrs)
PHI 3638 Ethical Issues in the 21st Century (3 hrs)
(PR: PHI 2010 or CI)
PHI 3640 Environmental Ethics (PR: Junior Standing) (3 hrs)

Other Requirements
■ Earn a grade of “C” (2.0) or better in each course used to satisfy the minor.
■ At least 15 credit hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

LEGAL STUDIES: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
HPA 311
Contact: David B. Slaughter, 407-823-2603,
E-mail: dslaughter@mail.ucf.edu

Credit Hour Requirements 21 hrs
Required Courses (3 hrs)
PLA 3013 Law and the Legal System
Restricted Upper Division Electives (15 hrs)
15 semester hours of legal studies courses selected with the aid of an advisor.
Restricted Electives (3 hrs)
3 semester hours of law-related courses selected with the aid of an advisor.

Other Requirements
■ A minimum grade of “C” (2.0) is required in each course to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

MAGAZINE JOURNALISM: Minor
College of Sciences
Nicholson School of Communication, COMM 238
http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php
E-mail: journalism@ucf.edu
Contact: R. Morales, 407-823-2681

Prerequisites
■ Grammar proficiency requirement
■ A minimum UCF GPA of 3.3
■ Not open to Ad/PR, Journalism, or Radio/TV majors.

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
JOU 2100C News Reporting 3 hrs
JOU 3510C Magazine Publishing 3 hrs
JOU 4244 Magazine Editing and Production 3 hrs
Restricted Upper Division Electives (9 hrs)
ENC 3310 Magazine Writing I 3 hrs
JOU 3201 Editing I 3 hrs
JOU 3202 Editing II 3 hrs
JOU 4300 Feature Writing 3 hrs
JOU 4308 Freelance Writing 3 hrs
JOU 4340C Online Journalism 3 hrs

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 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.

MANAGEMENT INFORMATION SYSTEMS: Minor
(For both Business and Non-Business Majors)
College of Business Administration
Department of MIS, BA 325, 407-823-3173
Not available to Management Information Systems Majors

Credit Hour Requirements 21 hrs
Prerequisite courses
CGS 2100C Computer Fundamentals for Business or
CGS 1060C Intro to Computer Science (or equivalent)
MAC 1105 College Algebra or
MGF 1106 Finite Mathematics

Required Courses 12 hrs
ISM 301C Essentials of Management Information Systems 4 hrs
ISM 3254 MIS Techniques 4 hrs
ISM 4212C Database Management 4 hrs

Electives (choose three) 9 hrs
Any 4000 or 5000 Level ISM course from those listed below or others with the permission of the MIS Department Chair:
ISM 4113 Information Systems Analysis and Design
ISM 4130 Information Systems Implementation
ISM 4220 Distributed Information Systems
ISM 4303 Technology Management
ISM 4480 Electronic Commerce Systems
ISM 4932 Special Topic Course
ISM 5315 Information Systems Project Management
ISM 5219 Business Intelligence Systems

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

MARKETING: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Department of Marketing, BA 3075
Not available to Marketing Majors

Credit Hour Requirements 19 hrs
Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (12-15 hrs)
Select four or five:
MAR 3323 Integrated Marketing Communication
MAR 3391 Professional Selling
MAR 3403 Sales Force Management
MAR 3503 Consumer Behavior
MAR 3613 Marketing Analysis and Research
MAR 3641 Marketing Intelligence
MAR 3721 e-Marketing
MAR 4156 International Marketing or
MAR 4724 Strategic Foundations in Global e-Business
MAR 4231 Retailing Management
MAR 4711 Sport Marketing

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MATHEMATICS: Minor

College of Sciences
Department of Mathematics, MAP 207
http://math.ucf.edu

E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700;
E-mail: martin@math.ucf.edu

Credit Hour Requirements

21 hrs

Required Courses
(15 hrs)

MAC 2311 Calculus with Analytic Geo I
MAC 2312 Calculus with Analytic Geo II
MAC 2313 Calculus with Analytic Geo III
MAP 2302 Differential Equations

(MAC 2311 and MAC 2312 may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.)

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.

MAA XXXX (any 3000, 4000, or 5000 level course)
MAD XXXX (any 3000, 4000, or 5000 level course)
MAP XXXX (any 3000, 4000, or 5000 level course, except MAP 3401)
MAS XXXX (any 3000, 4000, or 5000 level course)
MTG XXXX (any 3000, 4000, or 5000 level course)

any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

(Either MAS 3105 or MAS 3106 may be used but not both. Courses may be selected from MAA 4226 and MAA 4227, or MAA 5210 but not both.)

Other 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.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study 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.

MASS COMMUNICATION: Minor

College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu

E-mail: communication@ucf.edu
Contact: R. Morales, 407-823-3978
Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements

18 hrs

Restricted Electives
(18 hrs)

Select from the following:

MMC 2004 Mass Media
ADV 3008 Principles of Advertising
COM 3330 Computer Mediated Communication
FIL 3030 History of Motion Pictures
FIL 3036 Art of the Cinema
FIL 3041 History of Animated Films I
JOU 3004 History of American Journalism
MMC 3420 Mass Media Research Methods
MMC 3200 Mass Communication Law
MMC 4300 International Media
PUR 4000 Public Relations
RTV 3007 Dev & Struct of Elect Media & New Tech
RTV 3200 Prod Fund & Aesth of Elect Media
RTV 4403 Electronic Media, Technology and Society

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

Grades below “C” (2.0) or “S” grades from other institutions are not accepted.

Courses taken at community colleges do not substitute for upper division courses.

Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

At least nine hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

MAJOR OF INTEREST: Mathematics or Statistics

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.

Credit Hour Requirements

19 hrs

EDG 4410 Teaching Strategies and Classroom Management
EDF 4467 Learning Theory and Assessment
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools
RED 4043 Content Reading Kindergarten thru Grade 12
MAE 4360 Mathematics Instructional Analysis
MAE 4634 Programs in Teaching Mathematics

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

Other Requirements

Students should see an advisor prior to registering for classes

Students must complete 18 semester hours of courses in mathematics as co-requisites

At least 12 hours in the minor must be earned at UCF
Minors

**MEDIEVAL AND RENAISSANCE STUDIES: Minor**
College of Arts and Humanities
Department of English, CNH 302D
http://www.english.cah.ucf.edu/
Contacts: 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.

**Credit Hour Requirements:** (18 hrs)
Students are responsible for meeting any prerequisites for the courses in the minor.

**Required Core Courses**
Select two courses from the following:
- HUM 3435 Medieval Humanities
- ENL 4311 Chaucer
- or ENL 4333 Shakespeare Studies
- or ENL 4341 Milton and His Age
- EUH 3122 Medieval Society

**Required Electives**
Select no more than two from each disciplinary group:

**Department of Art**
- ARH 4200 Medieval Art
- ARH 4310 Italian Renaissance Art

**Department of English**
- ENL 4220 English Renaissance Poetry and Prose
- ENL 4311 Chaucer
- ENL 4333 Shakespeare Studies
- ENL 4341 Milton and His Age

**Department of History**
- AMH 4110 Colonial American History
- AMH 4112 History of the Atlantic World, 1492-1800
- EUH 3122 Medieval Society
- EUH 3142 Renaissance and Reformation
- EUH 3531 Medieval Ireland
- EUH 3535 Early Modern Ireland
- EUH 3930 Early Modern Spain (1469-1700)
- EUH 4124 The Crusades
- EUH 4500 English History to 1485
- EUH 4501 English History 1485 to 1815
- EUH 4610 Women in European Society: From Medieval to Modern

**Department of Modern Languages**
- FRW 3100 Survey of French Literature I: Middle Ages through 18th Century
- ITW 3100 Survey of Italian Literature I: Medieval to Renaissance
- ITT 3443 Dante
- LAT 1120C Elementary Latin Language and Civilization I
- LAT 1121 Elementary Latin Language and Civilization II
- SPW 3100 Survey of Spanish Literature I: Medieval & Golden Age
- SPW 3370 Spanish Short Story: Medieval & Golden Age
- SPW 4310 Golden Age Drama
- SPW 4322 Spanish Iberian Theatre: Medieval & Golden Age
- SPW 4604 Cervantes

**Department of Music**
- MUH 4322 Medieval and Renaissance Music

**Department of Philosophy**
- PHH 3200 Medieval Philosophy
- HUM 3435 Medieval Humanities

**Other Requirements**
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

**MIDDLE EASTERN STUDIES: Minor**
College of Arts and Humanities
Middle Eastern Studies Program, CNH 411J
Program Director: 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.

**Credit Hour Requirements** 21 hrs

**Required Courses**
- 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARA 2200</td>
<td>Intermediate Arabic Language and Civilization I</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>Islam and Its Empires</td>
</tr>
<tr>
<td>ASH 5227</td>
<td>The Arab-Israeli Conflict</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
</tr>
<tr>
<td>HUM 3553</td>
<td>Moses, Jesus and Muhammad</td>
</tr>
<tr>
<td>JST 3401</td>
<td>The Jewish People I</td>
</tr>
<tr>
<td>JST 3402</td>
<td>The Jewish People II</td>
</tr>
<tr>
<td>JST 3820</td>
<td>Modern Hebrew Culture</td>
</tr>
<tr>
<td>PHH 3300</td>
<td>Medieval Philosophy</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
</tr>
</tbody>
</table>

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).

**MILITARY SCIENCE: Minor**
College of Engineering and Computer Science
Army ROTC, BLDG 501
Contact: LTC Sean Morgan, 407-823-1872

**Credit Hour Requirements** 19 hrs

**Required Courses**
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Leadership and Ethics 4 hrs

**Select one of the following:**
- AMH 3541 U.S. Military History to 1900 3 hrs
- AMH 3547 U.S. Military History since 1900 3 hrs

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor**
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
Chair: P.E. Kolattukudy

**Credit Hour Requirements** 30 hrs

**Required Courses**
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3333 Immunology 4 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4333L 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

**Restricted Electives**
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

**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.
MUSIC: Minor

College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,
E-mail: kgay@mail.ucf.edu

Credit Hour Requirements: 20 hrs
Required Courses: (11 hrs)
- MUT1121 Music Theory and Musicianship I (4 hrs)
- MUT1122 Music Theory and Musicianship II (4 hrs)
Select 1: (3 hrs)
- MUL 2010 Enjoyment of Music (4 hrs)
- MUL 2016 Evolution of Jazz (4 hrs)
- MUL 2720 Music of the World (3 hrs)
- MUH 2017 Survey of Rock Music (4 hrs)
- MUH 2019 American Popular Music, 1840s-Present (3 hrs)

Restricted Electives: (9 hrs)
- MUC, MUN, MUE, MVx, MUH, MUL, MUS, MUT (any course) (6 hrs)
- (on the same performance medium)
- MUC, MUN, MUE, MVx, MUH, MUL, MUS, MUT (3000 or 4000 level course) (3 hrs)

Other Requirements:
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

NONPROFIT MANAGEMENT: Minor/AMERICAN HUMANICS NATIONAL CERTIFICATION PROGRAM

College of Health and Public Affairs
Department of Public Administration, HPA 238

Campus Director: Stephanie Krick, Ph.D.; 407-823-0661;
E-mail: skrick@mail.ucf.edu

The Nonprofit Management Minor/ American Humanities National Certification Program 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 in American Humanities.

Credit Hour Requirements: 18 hrs
Required Courses: (9 hrs)
- PAD 3930 American Humanities Human Service Workshop (3 hrs)
- PAD 4948 American Humanities Internship (3 hrs)
Internships within other programs may be accepted with prior approval of American Humanities advisor.

Restricted Electives: (9 hrs)
- PAD 4144 Nonprofit Organizations (3 hrs)
Students can earn the remaining nine credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
Restricted Electives: (9 hrs)
Choose at least one course from each of the following three groups.


- ACG 2021 Financial Accounting*
- ACG 2071 Managerial Accounting*
- DEP 2004 Developmental Psychology*
- DEP 3464 Psychology of Aging*
- EDG 4941 Directed Field Experience*
- MAN 3025 Management of Organizations*

Group II: Human Development and Human Resource Development.

- PAD 4131 Fiscal Management
- PAD 4204 Grant and Contract Management*
- PAD 4205 Personality Theory*
- SOW 3401 Social Work Research Methods*


- MAN 3301 Management of Human Resources*
- MAN 4011 Human Relations in Management*
- MAN 4320 Human Resources Recruitment and Selection*
- PAD 4414 Public Personnel Administration
- PAD 4148 Volunteer Management
- PAD 4153 Planning and Improvement for Public Organizations
- PAD 4325 Program Evaluation for Public & Nonprofits*
- SOW 3203 Social Work & Community Resources
- SOW 3204 Assessing I - Human Development

Public Affairs Emphasis
Restricted Electives: (9 hrs)
Choose at least three courses from the following:

- PAD 4148 Volunteer Management
- PAD 4153 Planning and Improvement
- PAD 4131 Public Sector Project Management
- PAD 4147 Resource Development in the Nonprofit Sector
- PAD 4204 Fiscal Management
- PAD 4223 Public Budgeting*
- PAD 4253 Community and Economic Development*
- PAD 4325 Program Evaluation for the Public and Non-Profit Organization*

Other Requirements for American Humanities National Certification:
- 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

*Indicates course has prerequisites or may be open only to students in the major. Please see catalog for details.

NORTH AMERICAN INDIAN STUDIES: Minor

College of Sciences
Department of Anthropology, PH 309
http://www.cos.ucf.edu/anthropology

E-mail: anthropology@ucf.edu

Contact: Rosalyn Howard, 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 Requirements:
- Interview with the North American Indian Studies Director.
- 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.

Credit Hour Requirements: 18 hrs
Required Courses: (3 hrs)
- ANT 4910 Research

Restricted Electives: (15 hrs)
Courses used in the minor must be taken in at least two departments. Select from the following list.

- ANT 3245 Religions of the N Amer Indians
- ANT 3313 Indians of the N Amer High Plains
- ANT 3311 Indians of the SE United States
- ANT 3158 Florida Archaeology
- ANT 4906 Independent Study
- ANT 3314 Indians of the NE Woodlands
Minors

ANT 3312 Ethnology of N Amer Indians
ANT 3316 Black/Seminoles Relations
ANT 3320 Indians of the Southwest
ANT 3318 Indians of the Northwest Coast
AMH 3441 History of the Frontier: E America
AMH 4110 Colonial America
AMH 4112 The Atlantic World
AML 3640 Native American Literature
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
PHH 3701 North American Philosophy
SYD 3752 Modern Law in Indian Country
SYD 3751 N Amer Indian Women Today

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

OPERATIONS MANAGEMENT/ENTERPRISE SYSTEMS: Minor
College of Business Administration
Department of MIS, BA 325, 407-823-3173/3174
Not available to Management Information Systems Majors.

Credit Hour Requirements 19 hrs
Prerequisite courses
CGS 2100C Computer Fundamentals for Business or
CGS 1060C Intro to Computer Science (or equivalent)
MAC 1105 College Algebra or
MGF 1106 Finite Mathematics

Required Courses 19 hrs
IST 3011C Essentials of Management Information Systems 4 hrs
IST 3530 Quality and Productivity Management 3 hrs
IST 4153C Enterprise Information Systems 3 hrs
IST 4431 Business Process Analysis 3 hrs
IST 4154 Enterprise Application Development 3 hrs
IST 4400 Decision Support Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

PHILOSOPHY: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosopny@ucf.edu
Contact: Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Core Requirements (15 hrs)
Select one course from each of the following groups:

- Reasoning
  - PHI 2011 Philosophical Reasoning
  - PHI 2101 Critical Thinking
  - PHI 2108 Formal Logic I
  - PHI 2647 Logic and Ethics
  - PHI 3131 Formal Logic II

- History of Philosophy
  - PHI 3100 Ancient Philosophy
  - PHI 3200 Medieval Philosophy
  - PHI 3460 Modern Western Philosophy
  - PHI 3600 Contemporary Philosophy

- Values and Society
  - PHI 3670 Ethical Theory
  - PHI 3626 Advanced Ethics in Science and Technology
  - PHM 3401 Philosophy of Law
  - PHI 3800 Aesthetics
  - PHM 3123 Feminist Theories
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3625 Virtual Ethics
  - PHI 4633 Ethics and Biological Science
  - PHI 3100 Freedom and Justice
  - PHI 3640 Environmental Ethics
  - PHI 4031 Environmental Philosophy
  - PHI 3701 Native American Philosophy
  - PHI 3805 Contemporary Aesthetics

- Being and Knowing
  - PHI 4500 Metaphysics
  - PHI 4341 Ways of Knowing
  - PHI 4300 Theories of Knowledge
  - PHI 3700 Philosophy of Religion
  - PHI 4400 Philosophy of Science
  - PHI 3320 Philosophy of Mind
  - PHI 3451 Philosophy of Psychology
  - PHI 4420 Philosophy of Social Science
  - PHI 3323 Minds and Machines
  - PHP 4782 Phenomenology
  - PHI 4221 Philosophy of Language

- Topics in Philosophy
  - PHI 4931 Philosophy in the News
  - PHI 3693 Philosophy of Friendship
  - PHI 4321 Philosophies of Embodiment
  - PHI 3648 Ethical Issues of the Human Genome Project
  - PHI 3022 Sexuality, Gender and Philosophy
  - PHI 3033 Philosophy, Religion and the Environment
  - PHI 4804 Critical Theory
  - PHP 3783 Modernity as a Philosophical Problem
  - PHI 3750 Problem of Evil
  - PHI 3720 Faith and Reason
  - PHI 3803 Philosophy and Creativity
  - PHI 3941 Philosophy Practicum
  - REL 3111 Religion and Philosophy through Film
  - PHP 3786 Existentialism
  - PHI 4935 Topics in Philosophy of Mind

Upper Division Restricted Electives (6 hrs)
Must consult an advisor for approved courses in this area.

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 prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.
PHILOSOPHY, RELIGION AND POPULAR CULTURE: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Fax: 407-823-6658;
Advisor (UCF Orlando Campus): Doug Evans, 407-823-2273;
Advisor (Cocoa Campus): Shelley Park, 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 depart-
mental advisor, students will select courses in accordance with the
distributions listed below.

Credit hour requirements

21 hrs

Theoretical Foundations

6 hrs
 PHI 3694 Ways of Living
 PHI 4341 Ways of Knowing

Philosophy

3 hrs
 Select at least one course:
 PHI 2101 Critical Thinking
 PHI 3670 Ethical Theory
 PHI 3700 Philosophy of Religion
 PHI 3800 Aesthetics
 PHM 3100 Freedom and Justice
 PHI 3720 Faith and Reason
 PHP 3766 Existentialism
 PHI 4804 Critical Theory
 PHI 4300 Theories of Knowledge

Religion

3 hrs
 Select at least one course:
 CLT 3378 Comparative Mythology
 HUM 3552 Christian Thought
 HUM 3553 Moses, Jesus, and Mohammed
 HUM 3417 Hindu Thought and Culture
 HUM 3419 Islamic Thought and Culture
 HUM 4303 The Spiritual Ideal
 HUM 4534 Religious Quest and Human Dilemma
 PHI 3750 The Problem of Evil

Popular Culture Series

9 hrs
 A. Contemporary Media
 Select at least one course:
 HUM 3320 Contemporary Multicultural Studies
 HUM 4556 Religion and the Arts
 HUM 4320 Performance Theory
 PHI 3625 Virtual Ethics
 PHI 4931 Philosophy in the News
 POS 3235 Mass Media and Politics
 POS 3268 Politics in Film
 REL 3115 Religion, Spirituality and Popular Music
 REL 3111 Religion and Philosophy through Film
 SYP 3630 Sociology of Popular Culture

B. Contemporary Forms of Life
 Select at least one course:
 ANT 3302 Sex, Gender and Culture
 HUM 3252 Contemporary Humanities
 PHI 3022 Sex, Gender and Philosophy
 PHI 3629 Family Values
 PHI 3033 Philosophy, Religion and me Environment
 PHM 3401 Philosophy of Law
 PHI 3636 Ethical issues in the 21st Century
 PHI 3683 Philosophy of Friendship
 PHM 3123 Feminist Theories
 PHI 4321 Philosophies of Embodiment: Mind/Body/Self
 REL 3131 Religion in America

Other Requirements

A “C” (2.0) grade or better is required in all courses used to sat-
ify 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.

No more than two courses (i.e. six credit hours) of 3000 or 4000
level courses applied to the Minor in Humanities: Philosophy,
Religion, and Popular Culture may be simultaneously applied to ful-
fill another major.

PHYSICS: Minor
College of Sciences
Department of Physics, MAP 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Contact: Talat S. Rahman, 407-823-2325

Not open to Physics majors.

Credit Hour Requirements

20 hrs

Required Courses

11 hrs
 PHY 2048 Physics for Eng and Sci I
 PHY 2048L Physics Laboratory for Eng and Sci I
 PHY 2049 Physics for Eng and Sci II
 PHY 2049L Physics Laboratory for Eng and Sci II
 PHY 3101 Physics for Eng and Sci III

Restricted Upper Division Electives

9 hrs
 Selected from upper-level PHY3XXX or PHY2XXX courses appropri-
ate for majors.

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 9 hours of upper level courses 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.

POLITICAL SCIENCE: Minor
College of Sciences
Department of Political Science, PH 302
E-mail: politics@ucf.edu
http://www.cos.ucf.edu/politicalscience
Contact: Roger Handberg, 407-823-2608

Double major/dual degree policy in Political Science programs
and minors
1. Students who major in International and Global Studies, and
minor in Political Science, shall not count more than one course
toward both programs, except POS 2041.
2. Students who double minor in Political Science and
International and Global Studies shall not count more than one
course toward both programs.

Credit Hour Requirements

18 hrs

Required Course

3 hrs
 POS 2041 American National Government

Restricted Upper Division Electives

15 hrs

Five upper division Political Science courses (selected with the
aid of a departmental advisor)

Only three hours of POS 4941L (Internship) may be used.

Five upper division Political Science courses (those with prefixes
CPO, INR, POS, POT, PUP and one GEO – World Political
Geography; see the Political Science Major description for a list
courses that may be offered by the department).

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 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, Co-op, or Independent Study credit cannot be used
toward the minor without prior departmental permission.

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POLITICAL SCIENCE/PRELAW: Minor
College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Roger Handberg, 407-823-2608

- Double major/dual degree policy in Political Science programs and minors
  1. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
  2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Credit Hour Requirements: 18 hrs
Required Courses:
- POS 2041 American National Government
- POS 4284 Judicial Process and Politics

Restricted Elective: 3 hrs
- INR 4401 International Law I
- POS 4941L Internship

Required Courses (10 hrs)
- ECO 2023 Principles of Microeconomics
- ECO 2013 Principles of Macroeconomics
- ACG 2071 Principles of Managerial Accounting
- ACG 2021 Principles of Financial Accounting

Prerequisite Courses
- ECO 2013 Principles of Microeconomics
- ACG 2021 Principles of Financial Accounting

Credit Hour Requirements: 19 hrs
Required Courses (18 hrs)
- PAD 3003 Public Admin in American Society
- PAD 4034 The Administration of Public Policy
- PAD 4104 Administration Theory
- PAD 4204 Fiscal Management
- PAD 4414 Public Personnel Administration
- PAD 4720 Survey Research in Public Admin

Other Requirements
- 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.
- 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, HPA 238
Contact: Dr. Michael Abels, 407-823-2604,
E-mail: mabels@mail.ucf.edu

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.

Credit Hour Requirements: 18 hrs
Required Courses (18 hrs)
- PAD 4720 Survey Research in Public Admin
- PAD 4204 Fiscal Management
- PAD 4414 Public Personnel Administration
- PAD 4720 Survey Research in Public Admin

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the 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
(Open to Business and Non-Business Students)
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements: 19 hrs
Prerequisite Courses
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- ECO 2013 Principles of Microeconomics
- ECO 2023 Principles of Microeconomics

Required Courses (13 hrs)
- FIN 2100 Personal Finance and Investments
- FIN 3403C Business Finance
- REE 3043 Fundamentals of Real Estate
- REE 3433 Real Estate Law

Electives (select two of the following) (6 hrs)
- REE 3103 Real Estate Appraisal and Valuation
- REE 4203 Commercial Real Estate Finance
- REE 4204 Residential Real Estate Finance
- REE 4303 Real Estate Investment Analysis
- REE 4732 Real Estate Development
Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

RECREATION: Minor
College of Education
Department of Child, Family and Community Sciences, ED 209
Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598; E-mail: mitchell@mail.ucf.edu

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.

Credit Hour Requirements 18 hrs
Required Courses (18 hrs)
PEO 3041 Games Analysis 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs
Restricted Electives – Choose 3 classes from the following:
DAE 3370 Dance and Rhythms 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4050C Motor Development and Learning 3 hrs
PET 4312 Biomechanics 3 hrs
SPM 3130 Aquatic Management 3 hrs
PET 4002 Outdoor and Leisure Activities 3 hrs
SPM 3204 Sports and Ethics 3 hrs
SPM 3415 Public Relations in Sports and Fitness 3 hrs
PET 3361 Nutrition for Sports and Fitness 3 hrs

Other Requirements
- No grades below "C" (2.0) will be accepted.
- All of these hours must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent study credit cannot be used toward the minor.

RELIGIOUS STUDIES: Minor
College of Arts and Humanities
Department of Philosophy
PSY 220, 407-823-2273; Fax: 407-823-6658
E-mail: religion@mail.ucf.edu
Program Director: Claudia Schippert, 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 & Sociology, Art, English, History, Judaic Studies, Philosophy, Political Science, and Psychology, and are to be selected in consultation with the Religious Studies advisor.

Credit Hour Requirements 21 hrs
Required Courses (3 hrs)
REL 2300 World Religions

Restricted Electives (select from the following courses)
Religion, Humanities, Classics, and Philosophy courses (12 hrs)
REL 3131 Religion in America
REL 3115 Religion, Philosophy and Film
REL 3111 Religion, Spirituality, and Popular Music
REL 3432 Roots of Western Mysticism
REL 3340 Buddhist Thought
REL 4110 Religion and the Arts
REL 4180 Religion and Medicine
HUM 3320 Contemporary Multicultural Studies
HUM 3401 Asian Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus, and Mohammed
HUM 4303 The Spiritual Ideal
HUM 4330 Performance Theory
HUM 4554 Religious Quest and the Human Dilemma
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology
PHI 3033 Philosophy, Religion, and the Environment
PHI 3638 Ethical Issues in the 21st Century
PHI 3672 Animal Ethics
PHI 3694 Ways of Living
PHI 3700 Philosophy of Religion
PHI 3920 Philosophy of Love
PHI 4321 Philosophy of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4894 Critical Theory
PHI 3300 Freedom and Justice
PHP 3786 Existentialism

Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

SCIENCE EDUCATION: Minor
(Open to Non-Science Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/science/
Program Coordinator: Aldrin Sweeney, ED 123L, 407-823-2561; E-mail: asweeney@pegasus.cc.ucf.edu

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.

Credit Hour Requirements 19 hrs
Required Courses (3 hrs)
EDG 4410 Teaching Strategies and Classroom Management
EDF 4467 Learning Theory and Assessment
TSL 4080 Theory and Practice of Teaching ESOL Students
RED 4043 Content Reading Kindergarten thru Grade 12
SCE 4360 Science Instructional Analysis
SCE 4361 Programs in Teaching Science

Admission Requirements
- Have a minimum 2.5 overall GPA
Minors

- 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.

Other Requirements

- 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.

SECURE COMPUTING AND NETWORKS (SCAN):
Interdisciplinary Minor

College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu

Contact: Kim Small, 407-823-2455, E-mail: ksmall@mail.ucf.edu

Credit Hour Requirements 18 hrs

- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs
- Select one of the following:
  - CNT 4703 Network Labs 3 hrs
  - CNT 4704 Computer Communications Network 3 hrs
- CET 4483 Local Area Networks 3 hrs
- EEL 4781 Computer Networks 3 hrs

Elective Courses (9 hrs)

Select any three courses from the following list:

- CET 4663 Computer and Network Security 3 hrs
- EEL 4781 Computer Networks 3 hrs
- CET 4882 Network Defense Strategies 3 hrs
- Security Management and Administration:
  - CET 4886 Practice of Information Security 3 hrs
  - CET 4884 Security Methods & Practices 3 hrs
  - CET 4885 Investigative Digital Technology 3 hrs
- Secure Software:
  - CIS 4361 Secure Operating Systems and Administration 3 hrs
  - CIS 4615 Secure Software Development and Assurance 3 hrs
  - COP 4600 Operating Systems 3 hrs

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Pre-requisites to the minor include Programming in C (COP 3223, EGN 3211, CET 2364, or an equivalent) and Math for Calculus (MAC 2147), or equivalent.
- 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
(Open to Non-Social Science Education Majors)

College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/ssed/

Program Coordinator: Scott Waring, ED 123H, 407-823-1766; E-mail: swaring@mail.ucf.edu

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 2006 catalog year and beyond.

Credit Hour Requirements 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 Students in Schools 3 hrs
- RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

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.

Other Requirements

- Students should see an advisor prior to registering for classes.
- Students must complete 18 semester hours of courses in science as co-requisites.
- At least 12 hours in the minor must be earned at UCF.

SOCIAL SCIENCES - INTERDISCIPLINARY: Minor
College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/

E-mail: sociology@ucf.edu

Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements 21-22 hrs

Required Courses 3-4 hrs

- POS 3703 Scope and Methods of Political Science
- PSY 3213C Research Methods in Psychology
- SYA 4300C Research Methods (Sociology)

Restricted Electives (18 hrs)

Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

- Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

Other Requirements

- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

SOCIOLOGY: Minor

College of Sciences
Department of Sociology, PH 403
http://sociology.ucf.edu/

E-mail: sociology@ucf.edu

Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements 18 hrs

Required Courses (3 hrs)

- SYG 2000 General Sociology

Restricted Electives (3 hrs)

- 2000-4000 level Sociology courses

Restricted Upper Division Electives (12 hrs)

- 3000-4000 level Sociology courses

Other Requirements

- 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.
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.
- No more than three hours of Independent Study credit can be used toward the minor.
- Not open to Sociology majors.

SPANISH: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mil.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs

Restricted Electives

- Select six upper division courses in Spanish, including the 3000-level advanced grammar (SPN 3300), advanced oral communication (SPN 3760), and composition courses (SPN 3420).
Minors

SPORT BUSINESS MANAGEMENT: Minor
(*Business Majors, Business Undecided, and Business Pending only)
College of Business Administration
DeVos Sports Business Management, BA2 205
Contact: K. Harrison, 407-823-1158, E-mail: kharrison@bus.ucf.edu
Completion of Common Program Pre-requisites and Admission to a major within the College of Business Administration

Credit Hour Requirements 18 hrs
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 Role of Business Entrepreneurship in Sport/Ent 3 Hrs
MAR 4711 Sports Marketing 3 Hrs

Restricted Electives 6 hrs
MAN 4701 Business Ethics and Society 3 Hrs
SPB 4304 Event and Facility Management 3 Hrs
SPB 4804 Sport Business and Media 3 Hrs
MAR 3023 Marketing 4 Hrs

Other Requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below “C” (2.0) or “S” grades do not count toward the minor.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sports Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- In some cases, Internship, Independent Study, or Directed Research credit hours may be approved toward the minor by the Department Chair.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

*Students can take any minor courses if they are a Business major. If they are Business Undecided or Business Pending, they can take the three SPB required courses (SPB 3003, SPB 3603, and SPB 3823). At the time of graduation, students will have to be a Business major to qualify for a minor in Sport Business Management.

STATISTICS: Minor
College of Sciences
Department of Statistics and Actuarial Science, CC II 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Contact: Xiaogang Su, 407-823-2940

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
Select one course
STA 2023 Statistical Methods I or
STA 3032 Probability and Statistics for Engineers
STA 4163 Statistical Methods II 3 hrs
STA 4164 Statistical Methods III 3 hrs

Restricted Upper Division Electives (9 hrs)
Select from upper division STA prefix courses taught within the Statistics and Actuarial Science Department.
(STAT 3032 cannot be used)

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.

TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor
College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/teched/
Contact: Jo Ann M. Whiteman, ED 115D, 407-823-2848 or 407-325-6293; E-mail: jwhitema@mail.ucf.edu
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.

Credit Hour Requirements 18 hrs
Entrance requirements Junior standing
Required courses 18 hrs
ADE 4392 Teaching Adult Learners 3 hrs
EVT 4368 Advanced Teaching Techniques in Vocational Education 3 hrs
EVT 3062 Professional Role of the Vocational Teacher 3 hrs
EVT 3367 Evaluation in Vocational Education 3 hrs
EVT 4169 Curriculum Development for Industry Training 3 hrs
EVT 4065 Principles and Practices in Technical Education 3 hrs

Other requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

TECHNOLOGICAL ENTREPRENEURSHIP: Interdisciplinary Minor
College of Business Administration
& College of Engineering and Computer Science
Department of Management, BA 307
407-823-5569; Fax: 407-823-3725
http://www.cei.ucf.edu
Contact: Cameron Ford; E-mail: cford@bus.ucf.edu
The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
GEB 3113 How to Start a Business 3 hrs
GEB 4152 Technological Entrepreneurship 3 hrs
GEB 4110 Business Plan Preparation 3 hrs

Restricted Electives (9 hrs)
Innovation design or research sequence 6 hrs*
Discipline-specific or experiential sequence 3 hrs**
*Any 6-credit sequence approved by the program coordinator and within the department.
**A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.
Minors

- All engineering, interdisciplinary students (e.g., business): EGN 4412C & EGN 4413C
- BSEE, BSCPE, EEL 4914 & EEL 4915L
- BSME, EML 4601C & EML 4602C
- BSCE, CEG 4810C & CEG 4810C
- BSAE, EAS 4700C & EAS 4710C

**Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4XXX), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

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 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@ucf.edu
Contact: Earl Weaver, 407-823-2862, E-mail: eweaver@mail.ucf.edu

Credit Hour Requirements 18 hrs

Entrance Requirement
A successful interview and current resume

Required Courses (18 hrs)
Use the Prefix and title to determine the proper course.

THE 2000 Theatre Survey 3 hrs

or

THE 2020 Survey of Theatre for Majors 3 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

Electives (3 hrs)
Any DAA, DAN, THE, TPA, or TPP course as approved by the department

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Student must consult theatre advisor every 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.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

URBAN AND REGIONAL PLANNING: Minor
College of Health and Public Affairs
Department of Public Administration, HPA 238
Contact: Jay Jurie, 407-823-2604, E-mail: jurie@mail.ucf.edu

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Credit Hour Requirements 21 hrs

Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community and Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Suggested Courses
Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.

- PAD 4110 Intergovernmental Relations
- PAD 4390 Hazard Mitigation and Preparedness
- PAD 4392 Emergency Mgmt/Homeland Security

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

WOMEN’S STUDIES: Minor
College of Arts and Humanities
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu
Contact: K. M. Oliver, 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.

Credit Hour Requirements 18 hrs

Required Courses (6 hrs)

Select one course from the Theories Group: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories</td>
</tr>
</tbody>
</table>

Elective Courses (4 courses) (12 hrs)*

*Students must 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 200-level course will count toward the minor.

Women’s Studies Disciplinary Approaches

Select one course from the Disciplinary Approaches Group: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3361</td>
<td>Third Wave Feminisms</td>
</tr>
</tbody>
</table>

Representations of Women

Select one course from the Representations of Women Group: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3293</td>
<td>Contemporary American Women’s Fiction</td>
</tr>
<tr>
<td>ARH 4892</td>
<td>Women in Art</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Women in Film</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
</tr>
</tbody>
</table>
Women's Wellness
CLP 3184 Women's Mental Health
NJR 4936 Women's Health Issues
PEM 2405 Self Defense for Women and Men
SOP 2772 Sexual Behavior
SOP 3742 Psychology of Women

Women and Social Policy
ANT 3302 Sex, Gender and Culture
ANT 4308 Women and Gender Issues in Latin America
CCJ 4670 Women and Crime
CCJ 4881 Domestic Violence and Justice System
CPO 4710 Women and Comparative Politics
INR 4085 Women, Gender, and Globalization
PUP 3325 Women and Political Behavior
PUP 4323 Women and Public Policy
SYD 3751 North American Indian Women Today
SYD 3800 Sex Roles in Modern Society
SYD 4810 Women in Contemporary Society
SYD 4813 Women and Social Policy
SYO 4100 Family Ties

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, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Total Credit Hour Requirements (18 hrs)
Thematic Concentrations Restricted Electives (15 hrs)
Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with the prior approval of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

A. Language and Culture
AML 3615 Harlem, Haiti, and Havana
ANT 3145 Archaeology of Complex Societies
ANT 3146 The Anthropology of Diaspora

ANT 3212 Peoples of the World
ANT 4702 Culture, Power and Development
FSS 3008 Culture and Cuisine
HFT 4865 Exploring Wines of the World
HFT 3868 History and Culture of Wine
HFT 4894 International Gastronomy
HUM 3419 Islamic Thought 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.

B. Economics
ANT 4702 Culture Power and Development
ECO 3703 International Trade
ECO 4704 International Macroeconomics
ECO 4701 Seminar in Global Economic Policy
ECS 4013 Economics of Developing Areas
ECP 3302 Economics and the Environment
HFT 3700 Tourism Management
INR 4035 International Political Economy

C. Biological and Geophysical Environment
IDS 3150 Foundations of Environmental Studies
ECP 3302 Economics and the Environment
ENV 3001 Intro to Environmental Engineering
GIS 3043C GIS for Environmental Studies
GIS 4035C Remote Sensing of the Environment
PHL 3033 Philosophy, Religion, and the Environment
PHL 3640 Environmental Ethics

D. Social Structure and Change
ANT 3145 Archaeology of Complex Societies
ANT 3273 Law and Culture
ANT 4702 Culture Power and Development
PLA 4830 World Legal Systems
SYP 4454 Sociology of the Global System

E. Media and Communication
FIL 3842 World Cinema Traditions
FIL 3842 International Cinema
FIL 4844 Africana Cinema
COM 4461 Intercultural Communication
FIL 4844 Africana Cinema
LIN 4643 Cross Cultural Communication
THE 3212 Global Theater

F. 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 Proficiency Requirement (0-8 hrs)
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.

Other Requirements
- A grade of “C” or above (2.0) 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 toward the minor.
CERTIFICATES

ADDITIONS: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions, primarily substance abuse. This certificate addresses the role and significance of addictions on crime rates, health care, disabilities, human services, traffic safety, sexual assault, domestic violence and child abuse, the workplace and cost to the employers. Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program focuses on social work skills in the area of addictions. The certificate program will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida but not the certificate program.

Admission Requirement:
This certificate is only awarded to students in the undergraduate social work program (BSW). Students not in the social work program but enrolled in their junior or senior year at UCF may take the addictions courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Credit Hour Requirements: 12 hrs
Required Courses:
- SOW 4705 Prevention and Treatment of Adolescent Substance Abuse 3 hrs
- SOW 4906 Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc., Can be taught by any faculty teaching one of the above courses) 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs

Restricted Electives:
- SOW 4705 Prevention and Treatment of Adolescent Substance Abuse 3 hrs
- SOW 4906 Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc., Can be taught by any faculty teaching one of the above courses) 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs

AGING STUDIES: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

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 as well as non-degree seeking students. 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. The certificate may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Course
- GEY 3001 Gerontology: Interdisciplinary Overview 3 hrs

Required Internship: (Select one)
- SOW4510 or SOW4941 Field Education (for full-time students) 9 hrs

- HSA 4941 Internship 3 hrs
- PSY 3951 Internship 3 hrs
- SYP 4941 Internship 3 hrs

Electives (9 hrs)
- Students select three additional courses from the following: (a maximum of two courses in their College and at least one course must be outside their college).

College of Health and Public Affairs
- HSA 4220 Long Term Care 3 hrs
- HSA 3222 Long Term Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges:
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Sociology of Aging 3 hrs
- GEY 5007* Women and Aging 3 hrs
- LIT 3930 Literature of Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

*Open to undergraduates with senior standing

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 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 minor.

AMERICAN SIGN LANGUAGE (ASL): Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, HPA2, Suite 101
http://www.cohpa.ucf.edu/comdis
Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@mail.ucf.edu

This certificate is designed to provide students with the conversational competency in ASL to communicate with deaf and hard of hearing individuals who use ASL as their primary mode of communication. In addition, students completing the certificate program would have the prerequisite skills to seek further instruction in Interpreter Education. More specifically, the certificate program is designed for individuals who wish to enhance their ability to communicate with the Deaf community and to enhance their employment potential, including undergraduate students majoring in communication sciences and disorders, general and special education, psychology, theater, the health professions, and other disciplines; students at area community colleges; professionals working in Central Florida; and the general public.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 16 hrs
Required Courses
- ASL 2140 Introduction to American Sign Language 4 hrs
- ASL 2150 Intermediate American Sign Language 4 hrs
- ASL 4161C American Sign Language III 4 hrs
- ASL 4201 American Sign Language IV 4 hrs

Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least eight hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) Internship or Independent Study credit may be used toward the certificate.

BEHAVIORAL FORENSICS: Certificate
College of Sciences
Psychology Department, PSY 301
http://www.psych.ucf.edu/
Contact: Karen Mottarella, 321-433-7982, E-mail: kmottare@mail.ucf.edu

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, competence and insanity.

Credit Hour Requirements: 27 hrs
Prerequisite Courses: 6 hrs
Complete one introductory course:
PSY 2022 General Psychology or 
SYG 2000 General Sociology

Required Courses: 9 hrs
CJE 4572 Justice Agency Operations 3 hrs
CJE 4350 Policy Development in Law Enforcement 3 hrs
CJE 3441 Criminal Profiling II 3 hrs

Restricted Upper Division Electives: 3 hrs
Select one of the following:
CJE 4630 Serial Murder and the Criminal Justice System 3 hrs
SYP 3511 Sociology of Murder 3 hrs
SYP 3530 Juvenile Delinquency 3 hrs

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

CHILDREN'S SERVICES: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort with the Department 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.

Credit Hour Requirements: 18 hrs
Required Courses:
SOW 3352 Practice II: Interpersonal Skills 3 hrs
SOW 4654 Children’s Services 3 hrs
SOW 4650 Child Abuse: Treatment & Prevention 3 hrs
SOW 4510 or SOW 4941 Field Education* (for full-time students) or Field Education* (for part-time students over two semesters) 9 hrs

*Placement with the Department of Children and Families- working with child welfare or placement in an agency that serves children.

Note: Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.

CRIME ANALYSIS AND CRIME MAPPING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: Cory Watkins, 407-823-0365, E-mail: rwatkins@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 classes (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Courses in sequence: 9 hrs
CJE 3662 CJ Information Technology and Data Management 3 hrs
CJE 4653 Crime Analysis I 3 hrs
CJE 4076 Crime Analysis II 3 hrs

Restricted Upper Division Electives: 6 hrs
Select two of the following:
CJE 3451 Justice System Technology 3 hrs
CJE 3444 Crime Prevention 3 hrs
CJE 4654 Crime and Place 3 hrs
CJE 3450 Criminal Justice Manager 3 hrs
CJE 4570 Policy Development in Law Enforcement 3 hrs
CJE 4572 Justice Agency Operations 3 hrs

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 and within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIME SCENE INVESTIGATION: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311; Department of Sociology and Anthropology
PH 403
Contact: David Fabianic, 407-823-5940, E-mail: Fabianic@mail.ucf.edu; Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu; John J. Schultz, 407-823-2618, E-mail: jschultz@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.

Credit Hour Requirements: 15 hrs
Required Courses: 12 hrs
ANT 4521C Forensic Anthropology* 3 hrs
ANT 4101 Archeological Sciences* 3 hrs
CJE 4012 Criminal Profiling in CJ 3 hrs
CJE 4610 Criminal Investigation 3 hrs

Restricted Upper Division Electives: 3 hrs
Select one of the following:
ANT 4528C Advanced Forensic Anthropology* 5 hrs
SYG 3511 Sociology of Murder 3 hrs
CJE 4653 Serial Murder and the Criminal Justice System 3 hrs
CJE 4195 Interviews and Interrogations in CJ 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
ANT 3115 Archeological Method and Theory* 3 hrs

*Refer to UCF Catalog for limited offerings.
Certificates

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIMINAL PROFILING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: David Fabianic, 407-823-5940, E-mail: fabianic@mail.ucf.edu; Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu

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.

Credit Hour Requirements
(12 hrs)
CLP 3143 Abnormal Psychology 3 hrs
CJE 4630 Serial Murder and the Criminal Justice System 3 hrs
CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Restricted Upper Division Electives
Select one of the following:
CJE 4610 Criminal Investigation 3 hrs
DSC 4012 Terrorism 3 hrs
CCJ 4195 Interviews and Interrogations in CJ 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

CULTURAL TOURISM: Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science.

The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Credit Hour Requirements
(12 hrs)
HFT 3540 Guest Service Management 3 hrs
HFT 3700 Tourism Management 3 hrs
HFT 4735 Tourism Geography 3 hrs
ANT 4438 Anthropology of Tourism 3 hrs

Choose two classes from one of the following areas
African American Heritage area (choose two classes)
APF 3104 The African American Experience
AFA 4105 Documenting African American Heritage and Life
SYD 3700 Race and Ethnic Minorities in the United States

Anthropology area (choose two classes)
ANT 2100 Archaeology and the Rise of Human Culture
ANT 3212 Peoples of the World
ANT 2410 Cultural Anthropology
ANT 3115 Archaeological Method and Theory
ANT 3070 Applied Anthropology

Environmental Tourism area (choose two classes)
BOT 3152C Local Flora
PCB 3442 Florida Aquatic Ecology
INR 4303 International Environmental Law
PUP 3203 Environmental Politics
PUP 4204 Sustainability
SYD 4510 Environmental Sociology

Latin American area (choose two classes)
ANT 3163 Meso American Archaeology
ANT 3168 Maya Archaeology
ANT 4332 Peoples and Cultures of Latin America
ANT 4340 Caribbean Archaeology
ARH 4655 Meso American Art
CPO 4303 Comparative Latin American Politics
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
LAH 3130 Latin American History I
LAH 3200 Latin American History II

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, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
Department of History, MH 552, 407-823-2225
http://www.caah.ucf.edu/history
Contact: Dr. R. Handberg; Dr. E. Kallina

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.

Credit Hour Requirements
(9 hrs)
INR 4030 Diplomacy 3 hrs
AMH 4513 U.S. Diplomacy: 1945-present 3 hrs.
INR 4102 American Foreign Policy 3 hrs

Restricted Upper Division Electives
Select two of the following:
INR 4114 American Security Policy
INR 4054 Global Politics of Energy
INR 4074 Immigration Policy
INR 4075 Human Rights Policy
INR 4076 Global Drug Policy
INR 4714 Politics of International Trade Policy
INR 4104 Topics in American Foreign Policy
INR 4351 International Environmental Law
INR 4401 International Law I
INR 4502 International Organizations
AMH 4512 U.S. Diplomacy: 1914-1945
EUH 4620 European Great Powers: 1815-1914

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 (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the directors’ discretion.
EDUCATIONAL STUDIES: Certificate

College of Education
Department of Educational Studies, ED 206E
Only open to non-education majors
http://education.ucf.edu/es/es_certificate.cfm

Program Coordinator: W. Scott Wise, ED 220B, 407-823-1502, E-mail: wwised@mail.ucf.edu

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 alternative. This certificate is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements

Core Courses (12 hrs)

EDF 4603 Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 467 Learning Theory & Assessment 3 hrs
EDG 4410 Teaching Strategies & Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade Twelve 3 hrs

Restricted Electives (select one) (3 hrs)

MAE 4634 Programs in Teaching Mathematics 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
LAE 4644 Introduction to Adolescent Literature 3 hrs
LAE 4342 Teaching Language/Composition 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs

Other Requirements:
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.

Note: Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

FINANCE: Certificates

College of Business Administration
BA 409
http://www.bus.ucf.edu/finance

*Restricted to Finance majors

Certificates will be awarded only at the time of Finance degree completion.

Credit Hour Requirements 12-15 hrs

Certificate in Banking 15 hrs
FIN 4313 Management of Financial Institutions 3 hrs
FIN 4324 Commercial Bank Management 3 hrs
ACG 3131 Financial Accounting Concepts & Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting 3 hrs
MAR 3391 Professional Selling or 3 hrs
FIN 4941 Internship 3 hrs

Certificate in Corporate Finance 12 hrs
ACG 3131 Financial Accounting Concepts & Analysis 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 3461 Financial Statement Analysis or 3 hrs
FIN 4424 Adv Topics in Financial Management 3 hrs
FIN 4941 Internship 3 hrs

Certificate in Investments 12 hrs
FIN 3504 Investment Analysis 3 hrs
FIN 4514 Portfolio Analysis and Management 3 hrs
FIN 4533 Financial Derivatives 3 hrs
*FIN 4941 Internship 3 hrs

*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.

JUDAIC STUDIES: Certificate

College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/

E-mail: judaicst@pegasus.cc.ucf.edu

Program Director: 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 English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies in Women’s Studies Programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

Credit Hour Requirements 15 hrs

Language

HBR 1120 Elementary Modern Hebrew Lang and Cult I
HBR 1121 Elementary Modern Hebrew Lang and Cult II
HBR 2200 Intermediate Modern Hebrew Language and Culture I
HBR 2201 Intermediate Modern Hebrew Language and Culture II
HBR 3250 Biblical Hebrew
HBR 3410 Conversational Israeli Hebrew

Jewish History

JST 3401 The Jewish People I
JST 3402 The Jewish People II
JST 3550 Introduction of Modernism into Judaism
JST 3481 20th Century Jewish History and Thought
JST 3701 History of the Holocaust

Bible

JST 3120 Hebrew Scriptures
JST 3125 The Book of Job
JST 3126 Romantic Love in the Bible
JST 3144 Dead Sea Scrolls

Literature

JST 3100 The Hebrew Creative Mind
JST 3312 Identity and Genre
JST 3751 Literature of the Holocaust

Culture

JST 3450 Modern Jewish Experience
JST 3820 Modern Hebrew Culture
JST 3810 The Jewish National Movement
### Certificates

**Jewish Civilization**
- JST 3005 Tenets of Judaism
- JST 3121 Classic Texts of Judaism

Other courses, including special topics, with the approval of the Director

**Other Requirements**
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

### LANGUAGE DEVELOPMENT AND DISORDERS: Certificate

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders,**

HPA2, Suite 101

[http://www.cohpa.ucf.edu/comdis](http://www.cohpa.ucf.edu/comdis)

Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798,
E-mail: jschwart@mail.ucf.edu

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716 Language Development: Birth Through 8 Years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3717 Language Development: 9-18 Years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711 Language Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711L Language Analysis Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**
- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall minimum GPA of 2.0 in the courses used to complete the certificate.
- At least 10 hours used in the certificate must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

### LEADERSHIP STUDIES: Certificate

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, CL-I 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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.

**Total Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Foundation Requirement</th>
<th>(13 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 1XXX</td>
<td>Foundations of Leadership</td>
</tr>
<tr>
<td>LDR 1XXX</td>
<td>Intermediate Foundations of Leadership</td>
</tr>
</tbody>
</table>

**Restricted Requirements**

Choose one course from each of three areas.

**A. Communication**
- COM 3011C Communication and Human Relations | 3 hrs |
- COM 3120 Organizational Communication | 3 hrs |
- COM 4461 Intercultural Communication | 3 hrs |
- COM 4462 Conflict Management | 3 hrs |

- (can only be used in Area A or Area C)
MILITARY SCIENCE: Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
Contact: 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.

Credit Hour Requirements 15 hrs
Required Courses
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs
- AMH 2547 U.S. Military History since 1900 3 hrs

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit can be used toward the minor.
- Students earning the Military Science Minor are not eligible for this certificate.

NONPROFIT MANAGEMENT: Certificate
College of Health & Public Affairs
Department of Public Administration, HPA2 238
http://www.cohpa.ucf.edu/pubadm/
Contact: 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.

Credit Hour Requirements 18 hrs
Required Courses
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restrictive Elective Course (3 hrs)
See advisor for approved courses.

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.

REAL ESTATE: Certificates
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance
*Restricted to Real Estate majors

Credit Hour Requirements 15 hrs
Certificates will be awarded only at the time of Real Estate degree completion.

Certificate in Real Estate Brokerage
(Completion of this certificate qualifies a student to sit for the Florida real estate sales license)
- 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
- REE 4941 Internship (real estate brokerage) 3 hrs

Certificate in Real Estate Appraisal
(Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941 Internship (real estate appraisal) 3 hrs

Certificate in Mortgage Brokerage
(Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941 Internship (mortgage brokerage) 3 hrs

**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.

 SECURITY MANAGEMENT: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: Jerome Randall, 407-823-2603, E-mail: jrandall@mail.ucf.edu

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.

Credit Hour Requirements 15 hrs
Required Courses
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4543 Risk Management 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
- DSC 4012 Conflict and Terrorism 3 hrs
- CJE 3444 Crime Prevention 3 hrs
- SCC 3316 Special Security Problems 3 hrs
- PLAL937 Seminar in Contemporary Legal Problems 3 hrs
- PLA3273 Law of Torts 3 hrs

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.

SERVICE-LEARNING: Certificate
Office of Undergraduate Studies
Experiential Learning, FC 203
http://www.explearning.ucf.edu
Contact: A. Zeh, 407-823-266, E-mail: azeh@mail.ucf.edu

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...
Certificates

process. This certificate is open to all undergraduate and graduate students in any major.

Credit Hour Requirements 12 hrs
Course Requirements: 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.

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
Department of Educational Studies

http://education.ucf.edu/
Program Coordinator: W. Scott Wise, ED 220B 407-823-1502, E-mail: wwise@mail.ucf.edu

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.

Credit Hour Requirements 9 hrs
Required Courses
EDF 2007 Introduction to Substitute Teaching 3 hrs
EDF 2250 Classroom Management for Substitute Teachers 3 hrs
EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

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.

TRANSLATION AND INTERPRETATION: Certificate
College of Arts and Humanities

Modern Languages and Literatures, CNH 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: Maria Redmon, CNH 512, 407-823-5738, E-mail: mredmon@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Skills
Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Required Courses (12 hrs)
SPT 3800 Span Translation and Interpretation 3 hrs
SPT 3805 Span Trans & Intep for Mass Com 3 hrs
SPT 3859 Medical Span Trans/Interp 3 hrs
SPT 3831 Spanish Legal Trans/Interp 3 hrs
Restricted Upper Division Electives (6 hrs)
SPN 3933 Spanish Across the Curriculum 3 hrs
SPN 4941 Internship 3 hrs
Any upper division SPN or SPT course with advisor’s approval

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

HPA 311
Contact: Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu

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.

Credit Hour Requirements 15 hrs
Required Courses (9 hrs)
CCJ 3667 Victims and the CJ System 3 hrs
CCJ 4670 Women and Crime 3 hrs
CCJ 4681 Domestic Violence and the CJ System 3 hrs

Restricted Upper Division Electives (6 hrs)
Select two of the following:
SYP 4521 Criminal Victimization in Society 3 hrs
NUR 4516 Crisis Intervention 3 hrs
SOW 4754 Forensic Social Work Theory and Practice 3 hrs
CCJ 4564 Delinquency Control 3 hrs
CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

WOMEN’S STUDIES: Certificate
College of Arts and Humanities
Women’s Studies Program, CNH 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu

Contact: K. M. Oliver, 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 open to both degree-seeking and non-degree-seeking students, but should be 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.

Credit Hour Requirements 12 hrs
Required Course: (3 hrs)
WST 3015 Introduction to Women’s Studies 3 hrs

Electives (9 hrs)
See listing for minor. Certificate students are exempt from the distribution requirement.

Internship Option: (0-3 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.

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 nine hours used in the certificate must be earned at UCF.

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International Studies
Director: Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

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 the dynamics of the group. 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, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

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

AEROSPACE ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.A.E./M.S.A.E. or M.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu

Admission Guidelines
- See Common Program Prerequisites.
- Qualifying 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.

1. UCF General Education Program (36+2 hrs)
(See Aerospace Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Aerospace Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major (55 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below.

   EGN 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   EGN 3310 Engineering Analysis - Statics 3 hrs
   EGN 3321 Engineering Analysis - Dynamics 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EMA 3706 Structure & Properties of AE Mats 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   STA 3032 Probability & Statistics for Engineers GEP
   EAS 3010 Fundamentals of Aerospace Flight 3 hrs
   EAS 3101 Aerodynamics I 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 3350 Space Systems Concepts
   or EAS 4400 Spacecraft Attitude Dynamics
   or EAS 4505 Orbital Mechanics 3 hrs
   EAS 4300 Aerothermodynamics-Propulsion Sys 3 hrs
   EML 3343 Modeling Methods in MMAE 3 hrs
   EML 4312C Feedback Control 3 hrs
   EGM 3601 Solid Mechanics 3 hrs
   EAS 4210 Space Structural Design 3 hrs

4. Approved Technical 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.

5. Departmental Graduation Requirements (6 hrs)
   EAS 4700C Aerospace Design I 3 hrs
   or EGN 4412C Interdisciplinary Design I
   EAS 4710C Aerospace Design II 3 hrs
   or EGN 4413C Interdisciplinary Design II
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)
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

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A 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 CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.A.E) 128 hrs
8. Shared B.S.A.E./M.S.A.E. or M.S.M.E. 10-12 hrs
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.A.E. or M.S.M.E. 18-20 hrs
Students must complete all requirements within the masters program to which they are admitted. See the list below for possible options.

   Computer-Aided Mechanical Engineering Track
   Mechanical Systems Track
   Miniature Engineering Systems Track
   Professional Track
   Space Systems Design and Engineering Track
   Thermofluid Aerodynamic Systems Design and Engineering Track
   Thermofluids Track

Total Semester hours (B.S. A.E./M.S.A.E. or M.S.M.E.) 146-148 hrs
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.
- Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
- Full-time Student ............................................ $90 per term
- Part-time Student ............................................. $45 per term
COMMUNICATION SCIENCES AND DISORDERS
ACCELERATED UNDERGRADUATE-GRADUATE
PROGRAM (B.A./B.S. and M.A.)

College Of Health and Public Affairs
Department of Communication Sciences and Disorders
HPA2 101, 407-823-4798.

Bachelor’s program E-mail: comdisug@mail.ucf.edu;
Master’s program E-mail: comdisma@mail.ucf.edu
http://www.cohpa.ucf.edu/comdis/

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission requirements
- Completion of the junior year of course work in communication sciences and disorders.
- 3.5 GPA or better in courses in the major.
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examination 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
1. UCF General Education Program (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
   F. General Education 9 hrs

2. Common Program Prerequisites
   none

3. Core Requirements (48-51 hrs)
   DEP 2004 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 3112 Lab Basic Phonetics Lab 1 hr
   LIN 3716 Language Development: Birth Through 8 Years 3 hrs
   SPA 3011 Speech Science I. Speech Production 3 hrs
   SPA 3011 Lab Speech Production Lab 1 hr
   LIN 3717 Language Development: 9-18 Years 3 hrs
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3123 Speech Science II. Speech Perception 3 hrs
   SPA 3123 Lab Speech Perception Lab 1 hr
   SPA 4032 Audiology 3 hrs
   LIN 4711 Language Analysis 3 hrs
   LIN 4711 Lab Language Analysis Lab 1 hr
   SPA 4321 Audiological Rehabilitation 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders and Differences 3 hrs
   EAB 3703 Principles of Behavior Modification or 3 hrs
   EEX 4601 Introduction to Behavior Management or 3 hrs
   EEC 4604 Guidance of Young Children or 3 hrs
   EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   SPA 3472 Guidance of Young Children With Communication Disorders 5 hrs
   SPA 4056C Clinical Methods in Communication Disorders 5 hrs

4. Statistics Requirements (3-6 hrs)
   Students have two options for completing this requirement:
   - Option 1: STA 2023 Statistical Methods I GEP and 3 hrs
     STA 4163 Statistical Methods II or 3 hrs
   - Option 2: STA 2014C Principles of Statistics (GEP) or 3 hrs
     STA 2023 Statistical Methods I 3 hrs
   SPA 4803 Research in Communication Disorders 3 hrs

5. Electives (6 hrs min)
   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. Shared Bachelor’s and Master’s Courses (18 hrs)
   SPA 6402 Preschool Language Disorders 3 hrs
   SPA 6403 School-Aged Language Disorders 3 hrs
   SPA 6410 Aphasia and Related Disorders 3 hrs
   SPA 6204 Articulation/Phonological Disorders 3 hrs
   SPA 6805 Research in Communication Disorders 3 hrs
   SPA 5473 Multicultural Aspects of Communication Disorders and Differences 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 or test) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Departmental Exit Requirements
   - 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.

9. University Minimum Exit Requirements (120 hrs)
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Total Semester Hours Required: 120 hrs

10. Courses taken toward Master’s Degree
   *In the Accelerated Program, students may elect to enroll in either SPA 5473, which replaces SPA 4478, or SPA 6805, which replaces SPA 4803.

Related Programs: Health Services Administration, Physical Therapy, Psychology. Social Work, Exceptional Student Education, Early Childhood Education


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.

Equipment Fee
- Full-time Student ........................................ $90 per term
- Part-time Student ......................................... $45 per term
Accelerated Undergraduate-Graduate Programs

COMPUTER ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.P.E./M.S.P.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science

Admission Guidelines
- 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.

1. UCF General Education Program (36+2 hrs)
See Computer Engineering major in the Catalog for track specific GEP requirements.

2. Common Program Prerequisites (CPP’s) (19 hrs)
See Computer Engineering major in the Catalog for the CPP requirements.

3. Courses Required for the Computer Engineering Core (8 hrs)
See Computer Engineering major in the Catalog for a listing of Computer Engineering core requirements.
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (48 hrs)
COT 3100C Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COP 3330 Object Oriented Prog 3 hrs
COP 4331C Processes Object Oriented SW Dev 4 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3801C Computer Organization 3 hrs
EEE 4767C Embedded Systems 4 hrs
EEE 4768C Computer Architecture 4 hrs
EEE 4781 Computer Comm Networks 3 hrs
COP 4600 Operating Systems 3 hrs

5. Approved Technical Electives (9 hrs)
Technical electives should be taken at the 5000 or 6000 level and are available in the BSCpE 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. Departmental Graduation Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)
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. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A 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 CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.P.E.) 128 hrs

9. Shared B.S.P.E./M.S.P.E. 6 hrs
Up to 6 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 6 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. Areas of Study M.S.P.E. 24 hrs
Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options.
Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of year option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

Computer Architecture Track
Digital Systems Track
Intelligent Systems Track
Software Engineering Track

Total Semester hours (B.S.P.E./M.S.P.E.) 152 hrs
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 M.S.P.E. will be awarded upon 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.
- Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
- Full-time Student .......................... $90 per term
- Part-time Student .......................... $45 per term

COMPUTER SCIENCE ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S./M.S.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 346, 407-882-2313; Fax: 407-823-5835
http://www.eecs.ucf.edu
Contact: Ronald Dutton, E-mail: dutton@eecs.ucf.edu; Traci Freund, E-mail: tfreund@eecs.ucf.edu

Admission Guidelines
- 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.
Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (36+3hrs)
(See Computer Science major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (15 hrs)
(See Computer Science major in the Catalog for the CPP requirements)

3. Basic Core Requirements (25 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3330</td>
<td>Intro to OO 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>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Technical Report Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801</td>
<td>Computer Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Intro to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 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>Found. Exam (PR:COT 3100C &amp; COP 3502C)</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

4. Advanced Core (20 hrs)
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 OO Software Development</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>Comp Architecture</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Comp Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4800</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)

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000 level Computer Science courses</td>
<td>9 hrs</td>
</tr>
<tr>
<td>4000-5000 level mathematics or statistics</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

6. School Exit Requirements
   Complete an exit survey
   Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)
Admission: 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 (variable)
Select primarily from upper level courses, with the student advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A 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 CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required (B.S.) 120 hrs

10. Shared B.S./M.S. 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.

11. Areas of Study M.S. 18 hrs
Students must complete all requirements within the masters program that they are admitted to. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog.

Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

Total Semester hours (B.S./M.S.) 138 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS 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
   ■ Undergraduate students are not eligible to take 6000-level courses

Equipment Fee
   ■ Full-time Student .............................................$90 per term
   ■ Part-time Student ............................................$45 per term

ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A. / M.S.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics
Major Advisor: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student’s personal interests and career goals.

Admission Guidelines
   ■ Completion of the UCF General Education program or an AA degree from a Florida Public Community College
   ■ See Common Program Prerequisites
   ■ For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Preferred: SPC 1608
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 2233 or 2311 Calculus 3 hrs
      Select STA 2023 Statistical Methods I 3 hrs
   D. Social Foundations
      Select ECO 2013 Principles of Microeconomics or
      ECO 2023 Principles of Macroeconomics 3 hrs
      Select one: PSY 2022, SYG 2000, ANT 2000 3 hrs
      E. Science Foundation 6 hrs

2. Common Program Prerequisites (3 hrs)
   ECO 2013* Principles of Macroeconomics
   ECO 2023* Principles of Microeconomics
   *See Transfer Notes for possible substitutions
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Required Undergraduate Major Courses (16 hrs)
   ECO 3101 Intermediate Microeconomics 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   *ECO 3401 Quantitative Business Tools I 3 hrs
   **ECO 3411 Quantitative Business Tools II 4 hrs
   ECO 4451 Research Methods in Economics 3 hrs

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4. Restricted Elective

Select any other 3000-4000 level economics course. 3 hrs

5. Courses shared BA/MS

ECO 6403 Mathematical Economics 3 hrs
ECO 6118 Microeconomic Theory I 3 hrs
ECO 6206 Macroeconomic Theory I 3 hrs
ECO 6424 Econometrics I 3 hrs
ECO 6XX Economics Elective 3 hrs

*15 hours counts towards both BA and MS

6. Required Minor

Completion of a minor in one of the following: Computer Science, Environmental Studies, History, Mathematics, Statistics, Political Science, Psychology, Sociology or Public Administration. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

7. Program Exit Requirements

A minimum grade of 3.0 is required for all graduate courses.
A minimum GPA of 2.5 is required for all courses taken in the major and minor.
Computer Competence is met by Research Methods course.

8. Foreign Language

(0-8 hrs)

Admission: Met by graduate requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives

(variable)

10. University Minimum Exit Requirements - B.A.

2.0 UCF GPA
60 semester hours earned after CLEP awarded.
48 semester hours of upper division credit completed.
30 of the last 36 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required (B.A.) 120 hrs

11. Courses taken toward MS

(9 hrs)

Six to nine additional hours of 6000 level economics electives. A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as mathematics, statistics, public administration, health sciences, political science, legal studies, computer science, and environmental engineering.

12. End of Program Option:

(6 hrs)

All candidates for the M.S. in Economics degree must complete an end-of-program option. This requirement can be met by any of the following two options: 1) Thesis option or 2) Course work option (see the Graduate Catalog for a detailed description of the options).

Total Semester Hours (BA/MS) 135 hrs

The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS 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 6000 level courses must be within nine hours of graduation
- Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

Transfer Notes:

- Grades below “C” (2.0) are not accepted.
- Courses taken at community college 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.

Equipment Fee

- Full-time Student .................. $30 per term
- Part-time Student .................. $15 per term

ELECTRICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM

(B.S.E.E./M.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 346, 407-882-2313; Fax: 407-823-5835
http://www.eecs.ucf.edu

Admission Guidelines

- 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.

1. UCF General Education Program

(36+2 hrs)

(See Electrical Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s)

(19 hrs)

(See Electrical Engineering major in the Catalog for the CPP requirements)

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

3. Courses Required for the Electrical Engineering Core (14 hrs)

(See Electrical Engineering major in the Catalog for a listing of Electrical Engineering core requirements)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major

(41 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3370C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3 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 Communications</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801</td>
<td>Computer Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fund.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Approved Technical Electives

(10 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSEE 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. Departmental Graduation Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914 Senior Design I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4915L Senior Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 7. Foreign Language Requirements

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

**Graduation:** None

### 8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A 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 CLAST, and nine semester hours of Summer credit.

### Total Semester Hours Required (B.S.E.E.)

128 hrs

### 9. Shared B.S.E.E./M.S.E.E.

- **10-12 hrs**

**Up to 12 credits of approved 5000 and 6000 level courses**

- Grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

### 10. Areas of Study M.S.E.E.

- **18-20 hrs**

**Students must complete all requirements within the masters program that they are admitted to.** See the list below for possible options.

### Total Semester hours (B.S.E.E./M.S.E.E.)

146-148 hrs

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 MSEE will be awarded upon 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 taken 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.

### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

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### Accelerated Undergraduate-Graduate Programs

**HISTORY ACCELERATED**

**UNDERGRADUATE-GRADUATE PROGRAM**

**(B.A. and M.A.)**

**College of Arts and Humanities**

**CNH 415, 407-823-2224**

**http://www.history.cah.ucf.edu/**

**Graduate program E-mail: hisgrad@ucf.edu**

**Undergraduate program E-mail: history@ucf.edu**

**Chair:** Rosalind J. Beiler, 407-823-2225

**Graduate Program Director:** Hong Zhang

**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 five instead of six years for students enrolled in full-time course work.

**Admission Requirements**

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History department.
- Students will be formally admitted to the master's program following receipt of the BA degree.

**Undergraduate 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 their written work in history completed inside and outside the classroom.
- 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).

**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 5000 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 complete their capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first MA year.
  - Students complete and defend a master's thesis in six hours.
Accelerated Undergraduate-Graduate Programs

Undergraduate Requirements

1. UCF General Education Program  (36 hrs)
   (See the history major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites  (0 hrs)
   AMH 2010*  U. S. History: 1492-1877  GEP
   AMH 2020*  U. S. History: 1877-Present  GEP
   *See Transfer Notes for possible substitutes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements  (9 hrs)
   HIS 4150  History & Historians  3 hrs
   Select one sequence
   EUH 2000, 2001  Western Civilization I & II  6 hrs
   WOH 2012, 2022  World Civilization I & II

4. Upper Division Restricted Electives  (21 hrs)
   (Must be taken within the History Department)
   Select six hours of approved history courses within three of the four geographic regions  18 hrs
   1. Asian, African, and Middle Eastern
   2. British and European
   3. Latin American
   4. U.S. and Canadian
   Select three hours of approved history courses  3 hrs
   Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

5. 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

6. Foreign Language Requirements  0-8 hrs
   Admission: 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.

7. Electives  (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements - BA
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A 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 CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required  120 hrs

Overall History MA Requirements  (36 hrs)*
*Nine hours of graduate work are earned in the senior year, in consultation with the history graduate director.

1. Required Graduate Courses  (12 hrs)
   HIS 6159  Historiography  3 hrs
   HIS 6905  Capstone Course  3 hrs
   HIS 6971  Thesis  6 hrs

2. Courses in Area of Concentration  (18 hrs)
   Assumes that nine additional hours of graduate courses were taken during the senior year.

3. Outside Area of Concentration in History  (6 hrs)

4. Foreign Language Requirement
   Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. Examination Requirements
   Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student’s thesis committee judge acceptable as the preliminary step to beginning the thesis.
   Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)

   Related Programs: Humanities
   Related Minors: African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women’s Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American history courses and will need to be taken for the major.

INDUSTRIAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM
(B.S.I.E./M.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering and Management Systems Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu

Admission Guidelines

- 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 first semester of the junior year
- Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program  (36+2 hrs)
   (See Industrial Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s)  (19 hrs)
   (See Industrial Engineering major in the Catalog for the CPP requirements)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Industrial Engineering Core  (17 hrs)
   (See Industrial Engineering major in the Catalog for a listing of Industrial Engineering core requirements)

   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.
Accelerated Undergraduate-Graduate Programs

EIN 3000 Introduction to IE & MS 3 hrs
EIN 3142 Work Measurement & Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 4067 Systems Engineering 3 hrs
ESI 4221C Manufacturing Engineering 3 hrs
ESI 4227C Thermodynamics of Mechanical Sys 3 hrs
EML 3101 Thermodynamics of Mechanical Sys 3 hrs
EML 3303C Mechanical Engr. Measurements 3 hrs
EML 3500 Machine Design & Analysis 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 3703 Fluid Mechanics II 3 hrs
EML 4145C Heat Transfer 3 hrs
EML 4220V Vibration Analysis 3 hrs
EML 4512C Systems Analysis & Design 3 hrs
EML 4704 Fluid Mechanics III 3 hrs
EML 4705 Fluid Mechanics IV 3 hrs

Total Semester Hours Required (B.S.I.E./M.S.I.E.) 146 hrs

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 MSIE 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.
- Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
- Full-time Student ........................................ $90 per term
- Part-time Student ........................................ $45 per term

MECHANICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM
(B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.)

College of Engineering and Computer Science
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu

Admission Guidelines
- 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.

1. UCF General Education Program (36+2 hrs)
(See Mechanical Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Mechanical Engineering major in the Catalog for the CPP requirements)

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

3. Courses Required for the Major (65 hrs)

- EGN 1006C Intro to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts & Methods 1 hr
- COP 3232 Introduction to C Programming 3 hrs
- EGN 3310 Engineering Analysis - Statics 3 hrs
- EGN 3321 Engineering Analysis - Dynamics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
- or EGN 3343 Thermodynamics
- EGN 3373 Principles of Electrical Engineering 3 hrs

Total Semester Hours Required (B.S.I.E.) 128 hrs

9. Shared B.S.I.E./M.S.I.E. 12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

10. Areas of Study M.S.I.E. 18 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options.

Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

a. Energy Systems Option
- EML 3001 Thermodynamics of Mechanical Sys 3 hrs
- EML 3043C Thermofluids Measurements 2 hrs
- EML 4703 Fluid Mechanics II 3 hrs
- EML 4145 Topics in Heat Transfer 2 hrs
- EML 4221C Mechanical Systems Exp. Tech. 3 hrs
- Approved Electives 9 hrs
EML 4502C Engineering Design I     3 hrs
EML 4501C Engineering Design I     3 hrs

5. Departmental Graduation Requirements  (6 hrs)
EML 4502C Engineering Design I 3 hrs
or EGN 4412C Interdisciplinary Design I 3 hrs
EML 4502C Engineering Design I 3 hrs
or EGN 4412C Interdisciplinary Design II 3 hrs
• CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements  (0-8 hrs)
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

7. University Minimum Graduation Requirements
• A 2.0 UCF GPA.
• 60 semester hours earned after any CLEP award.
• 48 semester hours of upper division credit completed.
• 30 of the last 36 hours of course work must be completed in residency at UCF.
• 25% of course work must be completed in residency at UCF.
• A 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 CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.M.E.) 128 hrs

8. Shared B.S.M.E/M.S.M.E., M.S.M.S.E. or M.S.A.E. 12 hrs
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.M.E., M.S.M.S.E., or M.S.A.E. 18 hrs
Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

Computer–Aided Mechanical Engineering Track
Mechanical Systems Track
Miniature Engineering Systems Track
Professional Track
Space Systems Design and Engineering Track
Thermofluid Aerodynamic Systems Design and Engineering Track
Thermofluids Track
Total Semester hours 146 hrs
(B.S.M.E /M.S.M.E., M.S.M.S.E., or M.S.A.E.)

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 MSME, MSMSE, or MSAE 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.
• Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
• Full-time Student .................. $90 per term
• Part-time Student .................. $45 per term

MOLECULAR BIOLOGY AND MICROBIOLOGY - UCF/USF Accelerated Medical School Program (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.bimed.ucf.edu
Chair: P.E. Kolattukudy

Students seeking admission to University of South Florida College of Medicine (USFCOM) through the accelerated program will meet all USF COM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in Catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements
• Students who change degree programs and select this major must adopt the most current catalog.
• Students should consult with a departmental advisor and the Burnett Honors College advisor.
• Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program  (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)

A. Communication Foundations 9 hrs
Select ENC 1101H Honors Fr Composition I
Select ENC 1102H Honors Fr Composition II
Prefer SPC 1603H Honors Fund. Tech Presentations

B. Cultural Historical Foundations 9 hrs
Select MAC 2311 4 hrs
Select STA 2023 3 hrs

D. Social Foundations 6 hrs
Select SPC 2045 Chemistry Fundamentals I 4 hrs

E. Science Foundations
Select SPC 2045 Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites  (16 hrs)
BSC 2010C Biology I GEP
BSC 2011C* Physics I GEP
CHM 2045C*, 2046, Organic Chemistry Fundamentals I, II, + Lab 2046L GEP, 4 hrs
CHM 2210, 2211, Organic Chemistry I, II, + Lab 2211L 8 hrs
MAC 2311 Calculus with Analytical Geometry I GEP

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
3. Core Requirements* (36 hrs)

Life Sciences
- MCB 3020C General Microbiology 5 hrs
- MCB 4012 Undergraduate Research 3 hrs
- MCB 4941 Internship Clinical Experience 1 hr
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Lab 1 hr
- PCB 3522, 4524 Molecular Biology I, II 6 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- SLS 3111C Selected Medical Careers 2 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs

Math Calculus and Statistics
- MAC 2311 Calculus with Analytical Geometry I GEP
- STA 2023 Statistical Methods I GEP

Physics
- PHY 2053C, 2054C College Physics I, II 8 hrs
  or
- PHY 2048, PHY 2049 Physics for Scientists and Engineers 8 hrs
*May be substituted by BSC 3403C
**Or CHM 2040C, 2041C

4. Upper Division Restricted Electives (8 hrs)**

Five restricted electives satisfied by first year medical school courses,
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

5. Additional USF/UCF Requirements (7 hrs)

- IDH 1921H Honors Symposium 1 hr
- ENC3241/ENC3241H Writing for the Tech Professional 3 hrs
- PHI 4633H or Honors Ethics and Biological Science 3 hrs
- PAF 3753H Honors Ethical Issues in Health & Public Affairs 3 hrs

6. Departmental Exit Requirements

To be eligible for a major in Molecular Biology and Microbiology:
- For decelerated program, the 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 Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

7. Electives: none

8. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed at UCF and/or USF

Total Semester Hours Required 120 hrs

For accelerated program, 14 credit hours will be from completion of USF College of Medicine first year courses.

Related Programs: Biology, Interdisciplinary Studies
Related Minors: Biology, Chemistry

Transfer Notes:
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - BSC 2011C*: may be substituted by BSC 3403C
  - CHM 2045C**: may be substituted by CHM 2040C, 2041C

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 Fee
- Full-time Student ...........................................$78 per term
- Part-time Student .........................................$39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 15 hrs Spring 16 hrs
- ENC 1101H 3 - ENC 1102H 3
- PSY 201H or SYG 2000 3 - STA 2023 3
- or ANT 2000H 3 - CHM 2046 3
- CHM 2045C 4 - CHM 2046L 1
- BSC 2010C 4 - MAC 2311 4
- IDH 1921H 1 - SLS 2311C 2

Summer 8 hrs
- PCB 3703C 4 - ZOO 3733C 4

Sophomore Year
Fall 16 hrs Spring 16 hrs
- CHM 2210 3 - CHM 2211 3
- MCB 3020C 5 - CHM 2211L 2
- PHI 4633H or PAF 3753H 3 - PHY 2054C or PHY 2049, 2049L 4
- PHY 2053C or PHY 2048, 248L 4 - BSC 3403C 4
- MCB 4941 1 - SPC 1603H 3

Summer 0 hrs
- MCAT Prep Exam

Junior Year
Fall 16 hrs Spring 16 hrs
- PCB 3522 3 - PCB 4524 3
- BCH 4053 3 - PCB 4239, 3233L 4
- ENC 3241/ENC 3241H 3 - Cultural/Hisorical 3
- PCB 3703C 4 - ECO 2013 or POS 2041 3
- Cultural/Hisorical 3
*Or equivalent

Summer 3 hrs
- MCB 4912 3

NURSING ACCELERATED SECOND DEGREE

C. BACHELOR OF SCIENCE IN NURSING (BSN) OPTION

(For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

Admission Requirements Limited Access

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 admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
- Application to the university must also be submitted by the program 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 UCF 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.
- At least seven seven of the nine required prerequisites
Accelerated Undergraduate-Graduate Programs

(Chemistry and Lab, at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.

*Chemistry with Lab (required with grade of B- or better)

Group A (grade of B- or better)

*Microbiology with Lab
*Anatomy with Lab
*Physiology with Lab (or A&P I, II)

Group B (grade of C or better)

*Sociology
*Developmental psychology
*Nutrition
*Statistics

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 must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.

Graduates are eligible to take the licensing examination for registered nurses (NCLEX-RN). The program is accredited by the Commission of Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

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).

Any variation from the stated prerequisite must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

1. UCF General Education Program NA

2. Common Program Prerequisites (31 hrs)

<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</td>
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<tr>
<td>SYG 2000</td>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Health Microbiology (S***)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry and lab* (S***)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy** (S***)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology** (S**)</td>
<td>4</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing Human Development</td>
<td>3</td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HUN 3031</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

*A general chemistry course (3 hr) covering organic/inorganic chemistry and a chemistry lab (1 hr).

**May take Anatomy and Physiology I, II sequence of six-eight total credits.

*S** indicates a science prerequisite.

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

3. Core Requirements (57-62 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>Role of Professional Nurse</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nurses</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nurses</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3449</td>
<td>Nursing Care of Families</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3449L</td>
<td>Nursing Care of Families Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accelerated Nursing Research Seminar</td>
<td>1 hr*</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II Clinical</td>
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</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Nursing Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4829</td>
<td>Transition to Professional Practice As a Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4XXX</td>
<td>Nursing Elective</td>
<td>3 hrs*</td>
</tr>
</tbody>
</table>

Any variation from the above must be approved by the College of Nursing.

Students without a research course on transcript must take NUR 3165 (3 hrs)

**Students may petition to waive elective requirement.

4. Upper Division Restricted Electives (3 hrs)

Nursing Elective: Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement.

5. Department Continuation and 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

6. Electives none

7. Foreign Language requirements

Admission: none

Graduation: none

8. University Minimum Exit Requirements

A 2.0 UCF GPA

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residency at UCF

Total Semester Hours Required for 2nd Degree BSN 56 hrs

Related Programs: Health Services Administration, Social Work, all health programs

Related Minors: Aging Studies, Psychology, Health Sciences, Health Services Administration

Transfer Notes: Examples of Community College Equivalent Courses

Prerequisites

General Psychology (PSY X012) or any General Psychology course 3

General Sociology (SOG 2000) or any Intro to Sociology course 3

Statistics (STA 2014C or 2023) or any Statistics course 3

General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)* (S**)

Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) (S**)

General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab (S**)

Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course

Human Nutrition with Therapeutic Nutrition course 3

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).

**S** indicates a biological science prerequisite.

Honors

University Honors and Honors in the Major Available

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 Fee

Full-time Student $50 per term

Part-time Student $25 per term

Tentative Course Schedule

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
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<td></td>
<td>2</td>
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<tr>
<td></td>
<td>NUR 3065</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3065L</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3225</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3225L</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3449</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3449L</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3167</td>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td>NUR 4227</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 4227L</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 4535</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 4535L</td>
<td></td>
<td>3</td>
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<td></td>
<td>NUR 4829</td>
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<td></td>
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<td>3</td>
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<tr>
<td></td>
<td>NUR 4637</td>
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<td>2</td>
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<tr>
<td></td>
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<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>NUR 4945L</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>NUR 4XXX</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

NUR 3167 Accelerated Nursing Research Seminar 1 hr*

NUR 4227 Nursing Care of the Adult II 4 hrs

NUR 4227L Nursing Care of the Adult II Clinical 3 hrs

NUR 4535 Psychiatric Mental Health Nursing 3 hrs

NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs

NUR 4829 Transition to Professional Practice As a Leader 3 hrs

NUR 4257 Introduction to Critical Care Nursing 3 hrs

NUR 4637 Public Health Nursing 2 hrs

NUR 4637L Public Health Nursing Clinical 1 hr

NUR 4945L Nursing Practicum 4 hrs

NUR 4XXX Nursing Elective 3 hrs*
Academic Undergraduate-Graduate Programs

NURSING (B.S.N.)
D. RN TO MSN OPTION
College of Nursing
HPA 220, 407-823-2744, E-mail: ucnurse@mail.ucf.edu
http://www.nursing.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Associate Dean Graduate: Jean Kijek; RN to MSN Coordinator: Barbara Lange

An accelerated program for students who hold an RN license and meet general education requirements, pre-requisites, required GPA and GRE score.

Available for all tracks in the graduate program. Nursing Leadership and Management, Family Nurse Practitioner, Adult Nurse Practitioner, Pediatric Nurse Practitioner, Clinical Nurse Leader, Nurse Educator, and Clinical Nurse Specialist. (See UCF Graduate Catalogs for current offerings.) Nine (9) to twelve (12) graduate credit hours may be applied toward meeting requirements of both BSN and MSN programs.

Admission Requirements

Acceptance to the university does not constitute admission to the RN to MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our Web site 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 college, including CLAST (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework) A minimum combined GRE score of 900 on the verbal/quantitative tests.
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

Interim Requirements:
Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase:
To be met one semester before the BSN is awarded
- Application to and acceptance by the UCF Office of Graduate Studies, see Graduate Studies Web site 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.
- 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 college or other universities.
- UCF Residency Requirement: 30 hours.

Other
- Students without a research course on transcript must take NUR 3165
- Students may petition to waive elective requirements.

Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (30+1 hrs)

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1608
B. Cultural Historical Foundations
1. Select STA 2014C
C. Mathematical Foundations
1. Select STA 2014C
2. Select STA 2014C
3. Select STA 2014C
D. Social Foundations
1. Select SYG 2000 or PSY 2012
2. Select STA 2014C
3. Select STA 2014C
4. Select STA 2014C
E. Science Foundations**: 7 hrs
Select BSC 2010C (4)
Select CHM 1032 (3)

*One of these courses is required to meet General Education requirements, but both are required nursing program prerequisites.

**Science Foundation is 6 credit hours for General Education Program; however the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)

PSY 2012 General Psychology** GEP
SYG 2000 Sociology** 3 hrs
MCS 2004C Health Microbiology 4 hrs
CHM 1032 General Chemistry** GEP
CHM 1032L General Chemistry Lab GEP
ZOO 3733C Human Anatomy* 4 hrs
PCB 3703C Human Physiology 4 hrs
STA 2014C Principles of Statistics** GEP
STA 2023 Principles of Statistics** 4 hrs
or 2023
SOWL 201 Assessing Human Development 3 hrs
or DEP 2004 Developmental Psychology 3 hrs
HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits.

3. Core Requirements (30 hrs)

UCF Upper Division Requirements
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

Students in the Nurse Educator/Clinical Nurse Leader, and Nurse Practitioner tracks take the following (12 credits) (nine graduate credits also applied to MSN)

NUR 5003 2 hrs
NUR 5003L 1 hr
NUR 5141 3 hrs
NUR 5141L 3 hrs
NUR 4828 3 hrs

Students in the Clinical Nurse Specialist Track take the following (12 credits) (twelve graduate credits also applied to MSN)

NUR 5003 2 hrs
NUR 5003L 1 hr
NUR 5720 3 hrs
NUR 5141 3 hrs
NUR 5800 3 hrs
NUR 3065 2 hrs
NUR 3065L 1 hr
Accelerated Undergraduate-Graduate Programs

Upper Division Credit* (27 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

*May be met by validation

4. Upper Division Restricted Elective

none

5. 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

6. Electives

Variable to meet degree requirements.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

(For students exiting upon earning BSN.)

- A 2.0 UCF GPA and 2.5 Nursing Major GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required BSN 120 hrs

Related Programs: Health Services Administration, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Equipment Fee

- Full-time Student ............................................. $90 per term
- Part-time Student .............................................. $45 per term

320 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers eight specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following eight programs: Applied Science, Criminal Justice Technology, Electronics Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Nursing, and Radiography.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice or Computer Engineering Technology) from a Florida public community college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students also do not have the new A.S. should complete their general education at the community 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 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 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 36 hours at UCF.

6. Students with Associate in Applied Science (AAS) degrees 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 programs in Nursing and Radiologic Sciences or programs that require specific grades in particular courses for admission.

Students should consult with their community 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 CLAST 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. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

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 or the Director of Transfer Services, (407) 823-2231.

APPLIED SCIENCE (B.A.S.)

A.S. to B.A.S.

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Office of Undergraduate Studies
Regional Campuses Administrative Offices
12201 Research Parkway, Suite 101
407-823-4547
http://www.regionalcampuses.ucf.edu/

Director of Regional Campuses Advising: Helen Hill, 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 be also 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 main 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 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus they should see a Regional Campuses’ 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.

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 CLAST, Gordon Rule, Foreign Language Admission and General Education.
### C. Criminal Justice Track: (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- Choose two from the courses listed below: 6 hrs
  - CJI 3510 Prosecution and Adjudication (3 hrs)
  - CJC 3010 The Corrections and Penology (3 hrs)
  - CJE 4014 Police and Society (3 hrs)
- Six additional semester hours of CCJ, CJC, CJE, CJI, or CJT courses; Selected with the aid of an academic advisor 6 hrs

### D. Legal Studies Track: (18 hrs)
- PLA 3015 Law and the Legal System 3 hrs
- PLA 3104 Legal Research 3 hrs
- Choose four from the courses listed below: 12 hrs
  - PLA 3155 Legal Writing (3 hrs)
  - PLA 3201 Civil Practice and Procedure (3 hrs)
  - PLA 3273 Law of Torts (3 hrs)
  - PLA 3306 Criminal Procedure (3 hrs)
  - PLA 4423 The Law of Contracts (3 hrs)
  - PLA 4700 Professional Ethics and Liability (3 hrs)

### E. Health Services Administration Track: (18 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health Services 3 hrs
- HSA 4180 Organization and Management for Health Agencies 3 hrs
- HSA 4191 Health Care Automation (PR: CGS 2100C) 3 hrs
- HSC 4500 Epidemiology (PR: STA 2014C or STA 2023) 3 hrs
- Choose One: 3 hrs
  - HSC 4652 Health Law and Ethics or
  - HSA 4199 Managed Care or
  - HSA 4502 Risk Management or
  - HIM 4506C Quality Management or
  - HSA 4702 Health Science Research Methods

### F. Information Technology Track: (21 hrs)
Students are strongly urged to complete STA 2023 within the general education program.
- CET 3010 Introduction to Information Technology (PR: MAC 1105) 3 hrs
- CET 2364 System Applications in C (PR: MAC 1105) 3 hrs
- CET 3679 Introduction to Telephony 3 hrs
- CET 3303 System Analysis 1 3 hrs
- CET 4427 Applied Database 1 3 hrs
- CET 4505 Applied Operating Systems 1 3 hrs
- ETI 4448 Applied Project Management 3 hrs

### G. Early Childhood Education Track: (21 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children (PR: EEC 3700) 3 hrs
- EEX 4751 Parent Involvement 3 hrs
- TSL 4080 Theory and Practice of TeachingESOL 3 hrs
- EEX 3450 Young Children with Special Needs 3 hrs

### 5. Modern Language Requirement (0-8 hrs)

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

#### Graduation:
- University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 42 semester hours of upper division credit completed
  - 30 of the last 36 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 CLAST and nine hours of summer credit (if applicable)

#### Total Semester Hours Required 120 hrs

#### 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 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 36 hours at UCF.
- Courses taken at college communities do not substitute for upper division courses.
- All students seeking a baccalaureate degree from a State of Florida Institution are required to satisfy the CLAST requirement. Transfer students with more than 60 semester hours who have not taken the CLAST or who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first semester at UCF.
- 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.

#### 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 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 36 hours at UCF.
- Courses taken at college communities do not substitute for upper division courses.
- All students seeking a baccalaureate degree from a State of Florida Institution are required to satisfy the CLAST requirement. Transfer students with more than 60 semester hours who have not taken the CLAST or who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first semester at UCF.
- 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.

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

### CRIMINAL JUSTICE (B.S.)

#### A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

#### College of Health and Public Affairs

#### Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603

#### E-mail: cjadvise@mail.ucf.edu

### Undergraduate Program Director: Mary Ann Eastep

#### 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 2.0 GPA in the core requirements and the restricted electives.

### 1. UCF General Education Program (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:
- Communication Foundations
- Cultural Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundations

### 2. Common Program Prerequisites
Completed as part of the approved A.S. program

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CJI 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

#### Total Semester Hours Required 120 hrs
4. Upper Division Restricted Electives (30 hrs)
   - 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the 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.

5. Upper Division Unrestricted Electives (none)

6. Departmental Exit Requirements
   Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

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

   Graduation: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 130 hrs

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology

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

ELECTRICAL ENGINEERING TECHNOLOGY (BSET) A.S. to B.S.E.E.T. CONCENTRATION
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-4749; Fax: 407-823-4746
http://www.ent.ucf.edu
Coordinator: Alireza Rahrooh, E-mail: rahrooh@mail.ucf.edu

Admission Requirements
Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 68 hours of course work, including at least 22 hours of transferable General Education courses.

Degree Requirements
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (14 hrs)
   - Communication Foundations
   - Cultural and Historical Foundations
   - Mathematical Foundations
     1. Select MAC 2311 or MAC 2253
     2. Select PHY 2048 and PHY 2048L or PHY 2053C
   - Social Foundations
     1. Select PHY 2048 and PHY 2048L or PHY 2053C
   - Science Foundations
     1. Select PHY 2048 and PHY 2048L or PHY 2053C

2. Common Program Prerequisites (CPP) (4 hrs)
   - (C (2.0) or better grades are required in all courses)
     - MAC 2311 or MAC 2253
     - MAC 2212 or MAC 2254 or equivalent
     - PHY 2048 and PHY 2048L or equivalent
     - PHY 2053C

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

3. Engineering Technology Core Requirements (22 hrs)
   - (C (2.0) or better grades are required in all courses)
     - EET 2523 Applied Mechanics 3 hrs
     - ETI 3671 Technical Economic Analysis 3 hrs
     - ETI 4448 Applied Project Management 3 hrs
     - EN 3116 Engineering Quality Assurance 3 hrs
     - ENC 3241 Technical Report Writing 3 hrs
     - PHY 2049 and PHY 2049L or PHY 2054C 4 hrs
     - STA 2023 Statistical Methods I 3 hrs

4. Upper Level Required Courses (23 hrs)
   - (C (2.0) or better grades are required in all courses)
     - EST 3222 Intro to Photonics 3 hrs
     - CET 2124 Microcomputer Technology I 3 hrs
     - CET 4134C Microprocessor Electronics II 3 hrs
     - EET 3716 Network Analysis 3 hrs
     - EET 4158C Linear Integrated Circuits 3 hrs
     - EET 4548C Power Systems 4 hrs
     - EET 4732C Feedback Control Systems 4 hrs

5. Upper Level Technical Electives (4 hrs)
   Select four hours from the following:
     - CET 3145C Applied Microprocessor Technology 3 hrs
     - CET 4138C Digital Programmable Devices 3 hrs
     - CET 4333 Computer Organization & Design 3 hrs
     - EET 4329C Communication Systems 3 hrs
     - EST 3222 Intro to Photonics 3 hrs

6. Departmental Exit Requirement (3 hrs)
   - ETE 4950C Senior Design Project 3 hrs

7. Foreign Language Requirements (0-8 hrs)
   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. University Minimum Graduation Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 134 hrs

Related Programs: Electrical Engineering Technology (Electrical Systems Concentration).
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an A.A. or with the General Education Program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- ENT Departmental Residency Requirements consist of at least 33 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

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 Fee
- Full-time Student .................................. $90 per term
- Part-time Student .................................. $45 per term
Statewide Articulated A.S. To B.S. Programs

Junior Year

Fall 13/14 hrs  Spring 16 hrs
MAC 2233 Applied Calc I or 3/4 EIT 4312C Control Systems Design 4
MAC 2231 Calc w/Analy Geom I 3 PHY 2054C/2049 w/ lab 4
STA 2023 Statistical Methods I 3 EIT 3477C Digital Systems 3
SPC 1608 Oral Communications 3 EIT 4448 Applied Project Mgmt 3
PHY 2053C/2048 Physics I 4 EET 3716 Network Analysis 3
Summer 6 hrs Eti 3116 Appl Eng Quality Assurance 3
Cultural/Historical Foundation 3

Senior Year

Fall 14 hrs  Spring 13 hrs
EET 4540C Power Systems 4 EET 4732C Feedback Control Sys 4
ET 4150C Linear Inf Ctr 3 ETG 3541 Applied Mechanics 3
CET 2124 Microcomputer Tech I 3 ETG 4950C Sr Design Project 3
MAC 2312, 2254 or MAP 3401 4 ENC 3241 Writing Tech Pros 3
Summer 10 hrs CET 4333 Comp Org & Design 3
Upper level elective 4
CET 4134C Microprocessor Elec II 3

GENERAL BUSINESS (B.S.B.A.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major
Faculty Advisor: Undergraduate Student Service, BA2 101, 407-823-2184

Admission Requirements
Completion of a Statewide Articulated A.S. in Business Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
1. UCF General Education Program (12 hrs)
Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:
   A. Communication Foundations - Preferred: SPC 1608
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
   D. Social Foundations
   E. Science Foundation

2. Common Program Prerequisites (18-21 hrs)
Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 2013 Macroeconomics 3 hrs
   ECO 2023 Microeconomics 3 hrs
   *ECO 3401 Quantitative Business Tools I 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
*At UCF, students who have completed MAC 2233 and STA 2203 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Classes (36 hrs)
First or subsequent semester in the College of Business Administration:

   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3275 Introduction to International Business 4 hrs
   BUL 3130 Legal & Ethical Environments of Business 4 hrs
   ECO 3411 Qualitative Business Tools II 4 hrs
   FIN 4303C Business Finance 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAR 3023 Marketing 4 hrs

Last Semester:
   MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:
   Must complete all Gordon Rule 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 complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   Students must have at least a 2.0 GPA in the major and COB.
   Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

5. Second Level Core (5 courses):
   Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems (MIS), and Marketing. These five courses are restricted to the courses listed below:

   Finance
   FIN 3303 Financial Markets
   FIN 3414 Intermediate Corporate Finance
   FIN 3504 Investment Analysis

   Management
   MÂN 3301 Management of Human Resources
   MAN 4240 Organizations: Theory and Behavior
   MAN 4441 Conflict Resolution and Negotiation
   GEB 3113 How to Start a Business

   Management Information Systems
   ISM 3253 MIS Techniques
   ISM 4153C Enterprise Information Systems
   ISM 4154 Enterprise Application Development

   Marketing
   MAR 3513 Marketing Research & Analysis
   MAR 3403 Sales Force Management
   MAR 4841 Service Marketing
   MAR 4156 International Marketing

   Economics*
   ECO 3223 Money and Banking
   ECP 3203 Contemporary Labor Economics
   ECP 4703 Managerial Economics
*ECP 4703 is required. ECP 3203 and ECO 3223 are restrictive electives only. With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. 4000 Level Requirement:
   At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes
   Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements (0-8 hrs)
   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

9. University Minimum Exit Requirements
   None

9. University Minimum Exit Requirements
   None

University of Central Florida
2009-2010 Undergraduate Catalog
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.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- 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.

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

Equipment Fee
- Full-time Student ........................................... $30 per term
- Part-time Student ........................................... $15 per term

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

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.

Degree Requirements
1. UCF General Education Program (GEP) (18 hrs)
Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A. Communication Foundations
B. Cultural and Historical Foundations
C. Mathematical Foundations
D. Social Foundations
E. Science Foundation

2. Common Program Prerequisites (3 hrs)
HFT 1000 Introduction to Hospitality Management 3 hrs
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Hospitality Management Core (27 hrs)
CGS 2100C Computer Fundamentals of Business (GEP)
or STA 2023 Statistical Methods I
ECO 2013 Macroeconomics
or ECO 2023 Microeconomics (GEP)
MAC 1105 College Algebra
HFT 3540 Guest Services Management 3 hrs
HFT 3431 Hospitality Managerial Accounting 3 hrs
HFT 4295 Leadership and Strat Mgmt in Hospitality Industry 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr
HFT 3933 Distinguished Lectures in Hosp. Mgt. 1 hr

Select 3 of the following 5 courses to complete the core
HFT 3700 Tourism Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3273 Principles of Resort Time Sharing 3 hrs
HFT 4755 Theme Park and Attraction Mgmt 3 hrs
HFT 4277 Yacht, Country and City Club Management 3 hrs

4. Special School 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.

5. Restricted Electives (15 hrs)
Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more than 2 courses (6 credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

OR
Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below

A. Vacation Ownership Resort Management Track – 15 hrs
(5 Courses)
HFT 4275 Development of Vacation Ownership Resorts 3 hrs
HFT 4274 Vacation Ownership Resort Management 3 hrs
HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
HFT 4442 Vacation Ownership Resort Reservations/Data Base Systems 3 hrs
HFT 4343 Hospitality Facilities Planning & Design 3 hrs

B. Theme Park and Attraction Mgmt Track – 15 hrs
(Choose 5 Courses from the following list)
HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
HFT 4795 Product Development in Theme Parks and Attractions 3 hrs
HFT 4758 Contemporary Issues in the Theme Park and Attractions Industry 3 hrs
HFT 4524 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attractions Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 3784 Amusement Technology 3 hrs
HFT 4614 Risk Management in Theme Parks 3 hrs

Total Semester Hours Required 132 hrs
Statewide Articulated A.S. To B.S. Programs

C. Tourism Management Track – 15 hrs
(Choose 5 Courses from the following list)
HFT 4735 Tourism Geography 3 hrs
HFT 4722 Travel Agency Management 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4736 Destination Management 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 3770 Cruise Line Operations and Management 3 hrs

D. Lodging Management Track – 15 hrs
(5 Courses)
HFT 3323 Hospitality Physical Plant Management 3 hrs
HFT 3434 Hospitality Facilities Planning & Design 3 hrs
HFT 4473 Hotel Development Analysis 3 hrs
HFT 4263 Hotel Operations 3 hrs
HFT 3515 Reservations Sales & Marketing 3 hrs

E. Hospitality Financial Management and Technology – 15 hrs
(5 Courses)
HFT 4442 Vacation Ownership Resort Reservations/ 3 hrs
Data Base Systems
HFT 4473 Hotel Development Analysis 3 hrs
HFT 4457 Food, Beverage and Labor Cost Controls 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4413 Technology Applications for Management 3 hrs
Decision Making

F. Golf and Club Management Track – 15 hrs
(Choose 5 Courses from the following list)
HFT 1350 Career and Promotional Development in Golf 3 hrs
HFT 3357 Golf Event Operations 3 hrs
HFT 3356 Concepts and Practices of Golf Assoc. 3 hrs
HFT 2359 Design and Maintenance of Golf Equip 3 hrs
HFT 3353 Golf Planning and Operations I 3 hrs
HFT 3355 Golf Planning and Operations II 3 hrs
HFT 3354 Agronomy for Golf Course Mgmt 3 hrs
HFT 4358 Golf Course Facility Design 3 hrs
HFT 3384 Golf and Club Enterprises 3 hrs

6. Foreign Language Requirements (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.)

7. University Minimum Exit Requirements

A. 2.0 UCF GPA
B. 42 semester hours of upper division credit completed
C. 30 of the last 36 hours of course work must be completed in residence at UCF
D. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
E. Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 124 hrs

Community College Transfer Notes

A. 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.
B. AGC X001 and X011 will substitute for HFT 2401 at UCF.
C. 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.
D. A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
E. 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.

Program Academic Learning Compacts

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

Equipment Fee

Full-time Student ...........................................$75 per term
Part-time Student ...........................................$37.50 per term

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-4748; Fax: 407-823-4746
http://www.ent.ucf.edu
Coordinator: Bahman Motlagh, E-mail: bмотlagh@mail.ucf.edu

Admission Requirements
Students will be admitted to the program with an Associate in Science degree in Computer Engineering Technology Network Specialization. Students admitted under this articulated agreement will be required to satisfy the General Education requirements either at UCF or the courses may be taken at a community college. When applying for admission students need to make sure they indicate on the application form AS-BS IST.

Degree Requirements

A. Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
B. A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (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.

A. Communication Foundations 9 hrs
(nine hours completed in AS degree program)
B. Cultural and Historical Foundations 9 hrs
(3 hrs taken in AS degree program)
C. Mathematical Foundations 6 hrs
MAC 1105 College Algebra
STA 2023 Statistical Methods I
STA 2324 Applied Multivariate Techniques

D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Lower Level Required Courses (33 hrs)
MAD 2104 Foundations of Discrete Math. 3 hrs
Lower level technical courses taken at Community College 30 hrs

3. Information Systems Technology Core Courses (26 hrs)

(1) Upper Division Technical Courses

A. Programming and Data Systems 4 hrs
CET 3198C Digital Systems 3 hrs
CET 4138C Digital Programmable Devices 3 hrs
CET 4931 Current Topics in Technology 3 hrs
CET 4749 Wide Area Network II 3 hrs
MAC 3401 Problem Analysis
CET 4523 Applied Systems Analysis II 3 hrs
CET 4429 Applied Database II 3 hrs
CET 4583 Web Base Systems I 3 hrs
CET 4584 Web Base Systems II 3 hrs
CET 4663 Computer & Networks Security 3 hrs
CET 4668 Practice of Information Security 3 hrs
CET 4882 Network Defense Strategies 3 hrs

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

2009-2010 Undergraduate Catalog

UNIVERSITY OF CENTRAL FLORIDA
Statewide Articulated A.S. To B.S. Programs

NURSING (B.S.N.)

E. AS TO BSN TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements - Limited Access

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 college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation December 2000 or later). Individuals who received AS prior to December 2000 or attended school other than a Florida public Community College should follow section “B” – RN to BSN Program.
- Current RN License or license eligible

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing 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 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

(36+2 hrs)

Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses already 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 must complete those courses prior to their last 30 hours at UCF.

General Education Program for articulated AS-BS

(36-38 hrs)

A. Communication Foundations

1. ENC 1101 & ENC 1102
2. Prefer SPC 1098

B. Cultural Historical Foundations

1. Select MAC 1105
2. Select STA 2014C

C. Mathematical Foundations

1. SYG 2000
2. PSY 2012

Tentative Course Schedule for Transferring Students

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year

Fall 13 hrs
EET 3005C Elect & Electronics 4
MAC 1114 College Trigonometry 4
CET 3010 Intro to Info Tech 3
CET 2304 Systems Apps in C 3
Summer 9 hrs
CET 4333 Comp Org & Design 3
ENC 3241 Tech Rep Writing 3
ETI 4448 Applied Proj Mgmt 3
Spring 13 hrs
CET 4505 Appl Oper Sys I 3
CET 4427 Appl Database I 3
CET 3679 Intro to Telephony 3
CET 4748 Wide Area Networks I 3

Senior Year

Fall 12 hrs
CET 4505 Appl Oper Sys I 3
CET 4427 Appl Database I 3
CET 3679 Intro to Telephony 3
CET 4748 Wide Area Networks I 3

Spring 12 hrs
CET 4505 Appl Oper Sys I 3
CET 4427 Appl Database I 3
CET 3679 Intro to Telephony 3
CET 4748 Wide Area Networks I 3
Statewide Articulated A.S. To B.S. Programs

E. Science Foundations:* 6-8 hrs

BSC 2010C – General Biology
CHM 1032 & CHM1032L – General Chemistry & Lab
or Anatomy & Physiology I & II
or ZOO 3733C & PCB 3703C, Human Anatomy & Physiology

*Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (18 hrs)

PSY 2012 General Psychology**
SYG 2000 Sociology**
MCB 2004C Health Microbiology 4 hrs
CHM 1032 General Chemistry**
CHM 1032L General Chemistry Lab
ZOO 3733C Human Anatomy**
PCB 3703C Human Physiology* 4 hrs
STA 214C Principles of Statistics**
or 2323 Statistical Methods

*NUR XXXX Any two upper-division nursing electives 6 hrs
or DEP 2004 Developmental Psychology
HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits; **Also meets General Education Requirements

See a UCF Nursing advisor for possible course substitutions.

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

3. Core Requirements (50 hrs)
Graduation from an Articulated Associate Degree Nursing program

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 4628 Leadership, Management and Role Development 3 hrs
NUR 4637 Health Care Issues, Policy, & Econ 3 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs.
NUR 4604 Practicum for RNs

Upper Division Credit* (27 hrs)

NUR 3038 Essentials of Nursing Practice 2 hrs
NUR 3038L Essentials of Nursing Practice Lab 1 hr
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
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 Nursing Clinical 2 hrs

*May be met by validation

4. Upper Division Restricted Elective (6 hrs)
NUR XXXX Any two upper-division nursing electives 6 hrs

5. 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
■ School of Nursing GPA of 2.5 or above

6. Electives variable to meet degree requirements

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

■ A 2.0 UCF GPA and a 2.5 Nursing Major GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 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, and the CLAST (or exemption)

Total Semester Hours Required 128 hrs

Related Programs: Health Services Administration, Social Work, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Progression Requirements:
Prior to NUR 3805: RN status or eligible to take NCLEX.
Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing:
■ Be admitted to the nursing program
■ Complete general education requirements and prerequisites or A.A. from a Florida public community college or university (SUS)
■ Complete CLAST (or exempt)
■ 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 also offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

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

Equipment Fee
■ Full-time Student ........................................ $50 per term
■ Part-time Student ......................................... $25 per term

RADIOLOGIC SCIENCES (B.S.)
A.S. to B.S. TRACK
(Program for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.cohpa.ucf.edu/health_pro/radtransfer.cfm
AS to BS Track Coordinator: Fazal Jameer,
E-mail: fjameer@mail.ucf.edu

Admission Requirements
Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. Separate application to the limited access program must be made directly to the program.

■ Criminal history information (background check) must be submitted. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
■ A personal interview is also required.
■ Student must complete a Statewide Articulated A.S. in Radiography program from a Florida public community college that is composed of a minimum of 62 hours of course work, including at least 15 hours of transferable General Education courses. Students certified in radiography and in good standing with the American Registry of Radiologic Technologists (ARRT) who have not completed a Statewide Articulated A.S. in Radiography program from a Florida Public Community College may apply for admission but are not eligible to transfer to UCF under the provisions of the statewide articulation agreement.
■ All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).
■ Students must be certified in radiography and be in good standing with the American Registry of Radiologic Technologists (ARRT).

Degree Requirements
■ Students who change to this program must adopt the most current Catalog
■ Students should consult with a departmental advisor
■ Many of 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 Radiologic Sciences Program.

UCF residency requirement for Radiography: 33 hours

1. **UCF General Education Program** (21+1 hrs)
   - A. Communication Foundations 6 hrs
     - Select ENC 1102 and SPC 1608 or SPC 1603
   - B. Cultural Historical Foundations 6 hrs
     - MAC 1105 (Completed at CC)
   - C. Mathematical Foundations 0 hrs
     - CGS 1060C (Completed at CC)
   - D. Social Foundations 3 hrs
     - Select ECO 2013 or ECO 2023 or POS 2041
   - E. Science Foundations 7 hrs
     - Select PHY 2053C

2. **Common Program Prerequisites** (4 hrs)
   - CGS 1060C Introduction to Computer Science CC
   - PCB 3703C Human Physiology* CC
   - PHY 2053C College Physics I UCF GEP
   - PHY 2054C College Physics II 4 hrs
   - ZOO 3733C Human Anatomy* CC
   - MAC 1106 College Algebra CC
   - MAC 1105 College Algebra CC
   - CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.
   - See Transfer Notes

3. **Core Requirements** (33 hrs)
   - A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.
   - Select PHY 2053C

4. **Program Exit Requirements** (124 hrs)
   - A minimum overall GPA of 2.50 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

5. **Electives**
   - none

6. **Foreign Language Requirements**
   - (0-8 hrs)
   - 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

7. **University Minimum Exit Requirements**
   - An overall GPA of 2.5
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable)

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 Fee
- Full-time Student ........................................... $50 per term
- Part-time Student ........................................... $25 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Sub collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their advisor 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 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed on the next page.)

For example, a freshman composition skills course is offered by 55 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.

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>
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</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td></td>
<td></td>
<td>0</td>
<td>1</td>
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<tr>
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<td>Lower (Freshman) Level</td>
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<td></td>
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<tr>
<td>Composition</td>
<td>at this institution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Columns:**
- **Prefix:** The three-letter designator for a major division of an academic discipline.
- **Level Code:** The first digit of the course number.
- **Century Digit:** The second digit of the course number.
- **Decade Digit:** The third digit of the course number.
- **Unit Digit:** The fourth digit of the course number.
- **Lab Code:** Typically a number indicating the presence or absence of a laboratory component.
System makes available on its home page The Statewide Course Numbering Institutions Courses at Nonregionally Accredited transferable. Justice are not guaranteed as Theatre and skills courses in Criminal (Art, Dance, Interior Design, Music and G. Applied courses in the performing arts other than those ranging from 900-999 and study abroad courses with numbers E. Graduate courses. D. College preparatory and vocational preparatory courses. C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations. B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question. A. Courses not offered by the receiving institution may be requested by calling the Statewide Equivalency Exceptions to the General Rule for course equivalencies and must be evaluated for mastery of skill and tech- nique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discre- tion 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, Practica, Study Abroad, Thesis, and Dissertations. G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre and skills courses in Criminal Justice are not guaranteed as transferable. 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 nonpub- lic 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 Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691. 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. ABE Agricultural and Biological Engineering ABT Arabic Culture in Translation or Translation Skills ABW Arabic Literature (Writings) AAC Accounting: General ACO Accounting: Occupational/Technical Variable Paced ACR HVACR: Heating/Ventilation/Air Conditioning/Refrigeration: Tech/Trades ADE Adult Education ADV Advertising AEB Agricultural Economics and Business AEE Agriculture and Extension Education AER Automotive Mechanics AFA African-American Studies AFH African History AFR Aerospace Studies AFS African Studies AGE Agricultural Engineering (Discontinued Effective 2005) AGG Agriculture - General AGR Agronomy AHM Amharic Language ART Art, Artistic Language ASC Ascension Science: General ASG Animal Science: General ASH Asian History ASL American Sign Language ASN Asian Studies AST Astronomy ATE Animal Science Technology ATV Aviation Technology: Flight ATT Aviation Technology: Theory AVM Aviation Management AVS Aeronautics AYM Aymara Language BAN Commercial Banking (AIB Courses Only) BCA Building Construction Apprenticeships SCC Basic Clinical Clerkships (Required) BCC Basic Medical Sciences BCCH Biochemistry (Biophysics) BCD Building Construction BCT Building Construction Trades BCV Building Construction: Vocational BME Biomedical Engineering BMS Basic Medical Sciences BOT Botany BRC Banking Related Courses (Not AIB or IFE) BSC Biological Sciences BSTE Business Teacher Education BUL Business Law CAP Computer Applications CAS Clinical Audiology and Speech Language Pathology (Disc 8006) CAT Catalan Language CBH Comparative Psychology and Animal Behavior CCE Civil Construction Engineering CCJ Criminology and Criminal Justice CDA Computer Design/Architecture CEG Civil Geotechnical Engineering CEN Computer Software Engineering CES Civil Engineering Structures CET Computer Engineering Technology CGN Civil Engineering CGS Computer General Studies CHD Home Economics: Child Development CHI Chinese CHM Chemistry CHR Chiropractic CHS Chemistry - Specialized CHT Chinese Culture in Translation or Translation Skills CHW Chinese Literature (Writings) CIS Computer Science and Information Systems CJB College Level Application in Criminal Justice CJC Corrections CJD Criminal Justice Development CJE Law Enforcement CJU Juvenile Justice CJK Criminal Justice Basic Training (A.A.S. or Vocational) CJI Law & Process CJT Criminal Justice Technologies CLA Classical Studies CLP Clinical Psychology CLT Classical Culture in Translation or Translation Skills CMC Corporate Media Communication CMM Creek/Muskogee/Mikasuki CNT Computer Networks COA Home Economics: Consumer Affairs COE Cooperative Education COM Communication COP Computer Programming COS Cosmetology COT Computing Theory COP Comparative Politics CPS Comparative Policy Studies (Multinational) CPT Cardiopulmonary Technology CRW Creative Writing CSP Cosmetology - Specialized CST Comparative Studies CTE Home Economics: Clothing and Textiles CTS Computer Technology and Skills CVT Cardiovascular Technology CWR Civil Water Resources CYP Community Psychology CZL Czech Language CZE Czech Culture in Translation or Translation Skills CZW Czech Literature (Writings) DAA Dance, Emphasis On Activity DAЕ Dance Education DANCE Dance DAS Dairy Science (Discontinued Effective 2005) DCP Design, Construction and Planning DEA Dental Assisting DEC Marketing and Distributive Education DEH Dental Hygiene DEM Demography DEN Dentistry DEP Developmental Psychology DES Dental Support DIE Dietetics DIG Digital Media DIM Diesel Mechanics DSC Domestic Security DTE Dental Laboratory Technology DUT Dutch Language EAB Experimental Analysis Of Behavior EAP English As A Second Language for Academic Purposes EAS Aerospace Engineering EBD Education: Emotional/Behavioral Disorder ECH Engineering: Chemical ECM Engineering: Computer Science ECO Economics ECP Economic Problems & Policy ECS Economic Systems & Development EDA Educational Administration EDE Education: Elementary EDF Education: Foundations and Policy Studies EDG Education: General
<table>
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<tr>
<th>Acronym</th>
<th>Description</th>
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<tr>
<td>EDH</td>
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<td>Education: Middle School</td>
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<td>Educational Psychology</td>
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<td>Education Supervision</td>
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<tr>
<td>EEC</td>
<td>Education: Early Childhood</td>
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<tr>
<td>EED</td>
<td>Education: Emotional Disorders</td>
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<td>EEE</td>
<td>Engineering: Electrical and Electronic</td>
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<td>EEL</td>
<td>Engineering: Geological</td>
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<td>Electrical/Electronics Repair</td>
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<td>Electronic Engineering Technology</td>
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<td>English For Non-Native Speakers (College Lvl) Disc. Eff. 2005</td>
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<td>Prosthetics/Orthotics</td>
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<td>Portuguese Culture in Translation or Translation Skills</td>
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</table>

Common Course Numbering System
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
- Directed Independent Studies (Grad) 1906, 2906, 3906, 4906, 5907
- Directed Independent Research 4912, 5917
- Special Undergraduate Research 4913, 4914
- Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
- *Internship, Practicum, Clinical Practicum 3940, 4941, 5944
- Cooperative Education 1949, 2949, 3949, 4949, 5949
- Honors Undergraduate Thesis 3970H, 4970H
- Honors Directed Reading 4903H
- Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.
1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
2Enrollment is limited to those students who are fully admitted to the Graduate Program.
3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours
With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend
PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code
Each course listed is followed by a code that shows hours of credit and contact hours.

Example: ART 2500C CAH-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.
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>
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<th>Course Title</th>
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<td>AMH 4376</td>
<td>U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II U.S. rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.</td>
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<tr>
<td>AMH 4573</td>
<td>Black Miltiancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have be influence by hostile foreign entities. Occasional.</td>
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<tr>
<td>AMH 4680</td>
<td>Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.</td>
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<td>AMH 5116</td>
<td>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. Occasional.</td>
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<tr>
<td>AMH 5137</td>
<td>Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion on colonial topics in the Revolutionary Era, 1763-1789. Occasional.</td>
</tr>
<tr>
<td>AMH 5149</td>
<td>Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.</td>
</tr>
<tr>
<td>AMH 5169</td>
<td>Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.</td>
</tr>
<tr>
<td>AMH 5176</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5219</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5296</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5378</td>
<td>History of Technology: PR: Graduate standing or C.I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.</td>
</tr>
<tr>
<td>AMH 5391</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5406</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5466</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5515</td>
<td>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.</td>
</tr>
<tr>
<td>AMH 5566</td>
<td>Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in American History from colonial time to the present. Occasional.</td>
</tr>
<tr>
<td>AMH 5937</td>
<td>AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.</td>
</tr>
<tr>
<td>AML 3031</td>
<td>American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.</td>
</tr>
<tr>
<td>AML 3041</td>
<td>American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.</td>
</tr>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.</td>
</tr>
<tr>
<td>AML 3538</td>
<td>Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.</td>
</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of African-American culture in the United States. May be repeated for credit. Occasional.</td>
</tr>
</tbody>
</table>
ANG 5467 COS-ANTHRO 3(3,0) 
Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level). Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANT 3142 COS-ANTHRO 3(3,0) 
Old World Prehistory: A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

ANT 3145 COS-ANTHRO 3(3,0) 
Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power. Fall.

ANT 3158 COS-ANTHRO 3(3,0) 
Florida Archaeology: PR: ANT 2000 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3,0) 
Pre-Contact Americas: PR: ANT 2000 or C.I. Archaeological developments of North, Central, and South America from the hemisphere’s initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) 
Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) 
Mesoamerican Archaeology: An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

ANT 3164 COS-ANTHRO 3(3,0) 
Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans.Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3,0) 
Archaeology of South America: PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0) 
Maya Archaeology: An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0) 
Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. Occasional.

ANT 3177 COS-ANTHRO 3(3,0) 

ANT 3212 COS-ANTHRO 3(3,0) 

ANT 3241 COS-ANTHRO 3(3,0) 
Magic, Ritual, and Belief: Patterns in religious behavior in various societies, with primary emphasis on myth, ritual, taboo, and festival social phenomena. Fall. Spring.

ANT 3245 COS-ANTHRO 3(3,0) 
Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.

ANT 3262 COS-ANTHRO 3(3,0) 
ANT 3273 COS-ANTHRO 3(3,0) Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3,0) Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0) Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast. Occasional.

ANT 3312 COS-ANTHRO 3(3,0) Ethnology of North American Indians: A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Even Spring.


ANT 3314 COS-ANTHRO 3(3,0) Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. Occasional.


ANT 3318 COS-ANTHRO 3(3,0) Indians of the Northwest Coast: PR: ANT 2000 or ANT 2100, or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.

ANT 3319 COS-ANTHRO 3(3,0) Anthropology of Diaspora: PR: ANT 2000 or ANT 2410 or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.

ANT 3320 COS-ANTHRO 3(3,0) Indians of the Southwest: PR: ANT 2000, Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.

ANT 3330 COS-ANTHRO 3(3,0) Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.


ANT 3358 COS-ANTHRO 3(3,0) Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and deaths of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3362 COS-ANTHRO 3(3,0) Peoples of Southeast Asia: PR: ANT 2000 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. Occasional.

ANT 3363 COS-ANTHRO 3(3,0) Anthropology of Japan: An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0) American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.

ANT 3450 COS-ANTHRO 3(3,0) Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. Occasional.

ANT 3541 COS-ANTHRO 3(3,0) Biobehavioral Anthropology: An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3550 COS-ANTHRO 3(3,0) Primatology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3640 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.

ANT 3701 COS-ANTHRO 3(3,0) Applied Anthropology: PR: ANT 2000 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8) Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated, Occasional.


ANT 4034 COS-ANTHRO 3(3,0) History of Anthropological Thought: The exploration of the intellectual foundations of modern anthropology. Spring.

ANT 4101 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: ANT 2511 or ANT 2100. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4114 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.

ANT 4153 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.

ANT 4180C COS-ANTHRO 3(1,4) Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ANT 4184 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or ANT 2511 or C.I. Anthropological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.


ANT 4308 COS-ANTHRO 3(3,0) Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin American culture and prehistory perspective. Occasional.

ANT 4332 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.


ANT 4352 COS-ANTHRO 3(3,0) African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Occasional.

ANT 4354 COS-ANTHRO 3(3,0) Postcolonial Africa: PR: ANT 2000 or SYG 2000 or C.I. Cultural change and continuity in contemporary Africa, ethnohistory of postcolonial social and cultural issues including globalization, health, economics, peace and stability. Occasional.

ANT 4408 COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

ANT 4438 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4462 COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Occasional.

ANT 4521C COS-ANTHRO 3(3,0) Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. Occasional.
### UCF Courses and Descriptions

**ANT 4525C** COH-ANTHRO 4(3,1)
**Human Osteology:** PR: ANT 2511. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

**ANT 4528C** COH-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. Fall.

**ANT 4560** COH-ANTHRO 3(3,0)
**Anthropological Perspectives on Human Growth:** PR: ANT 2000 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. Odd Fall.

**ANT 4586** COH-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.

**ANT 4702** COH-ANTHRO 3(3,0)
**Culture, Power and Development:** PR: ANT 2000, SYG 2000, or SYG 2012 or C.I. Anthropological perspectives on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.

**ANT 4802** COH-ANTHRO 3(3,0)
**Ethnographic Field Methods:** PR: ANT 2000, ANT 2410, SYG 2000, SYG 2012, or C.I. Procedures and principles of ethnographic research methods. Occasional.

**ANT 4824** COH-ANTHRO 9(9,0)
**Advanced Archaeological Fieldwork:** PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

**APA 3471** BA-ACCT 3(3,0)
**Accounting for Engineers:** PR: Not open to business majors. General Accounting principles and practice, cost accounting, budgeting, and control techniques. Not usable for BSBA degree credit. Occasional.

**ARA 1120C** CAH-ART 4(3,1)
**Elementary Arabic Language and Civilization I:** Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

**ARA 1120H** CAH-ART 4(4,1)
**Honors Elementary Arabic Language and Civilization I:** PR: Permission of Honors. Introduction to Arab language skills. Open only to students with no experience in the language. Honors level content. Occasional.

**ARA 1121C** CAH-ART 4(3,1)
**Elementary Arabic Language and Civilization II:** PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

**ARA 1121H** CAH-ART 4(4,1)
**Honors Elementary Arabic Language and Civilization II:** PR: Permission of Honors. Continuation of ARA 1120H. Honors level content. Occasional.

**ARA 2200** CAH-ART 3(3,1)
**Intermediate Arabic Language and Civilization I:** PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

**ARA 2201** CAH-ART 3(3,0)
**Intermediate Arabic II:** PR: ARA 2200 (Intermediate Arabic I) or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

**ARE 2011** ED-CFC 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 3944** CAH-ART 3(2,3)
**Community Arts Practicum:** PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

**ARE 4250** ED-TLP 3(3,0)
**Art for Exceptionalities:** PR: EDG 4233 and at least one full semester of C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

**ARE 4262** CAH-ART 3(3,0)
**Methods in Art Administration:** PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

**ARE 4313** ED-TLP 1(1,0)
**Art in the Elementary School:** PR: EDF 2414 and EDG 4233. 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 4351** ED-TLP 3(2,1)
**Teaching Art in the Elementary School:** PR: EDF 4214 and EDG 4233. 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 4352** ED-TLP 3(2,1)
**Teaching Art in the Secondary School:** PR: EDF 4214 and EDG 4233. 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-TLP 3(3,1)
**Teaching Art Appreciation & Criticism in the Classroom:** PR: EDF 4214 and EDG 4233. 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 4453** ED-TLP 3(3,0)
**Studio Experiences in Art Education:** PR: Completion of all Art Education Program Prequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

**ARE 4945** CAH-ART 12(0,12)
**Community Arts Internship:** PR: C.I. An on-site internship of depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

**ARE 5251** ED-TLP 3(2,1)
**Art for Exceptionalities:** Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

**ARE 5255** ED-TLP 3(2,1)
**Arts in Recreation:** Art activities and experiences appropriate for use in playground, leisure services, occupational orientation, and other recreational areas. Occasional.

**ARE 5359** ED-TLP 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-TLP 3(3,0)
**Studio Experiences in Art Education:** PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

**ARE 5649** ED-TLP 3(3,0)
**Contemporary Visual Arts Education:** PR: ARE 4443 or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

**ARH 2050** CAH-ART 3(3,0)
**History of Western Art I:** Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

**ARH 2050H** CAH-ART 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-ART 3(3,0)
**History of Western Art II:** Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

**ARH 2051H** CAH-ART 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-ART 3(3,0)
**History of Non-Western Art:** Major visual arts in various non-Western cultures. Fall, Spring.

**ARH 3454** CAH-ART 3(3,0)
**Happenings and Conceptual Art:** PR: Junior Standing or C.I. Anesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life art and art. Occasional.

**ARH 3471** CAH-ART 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-ART 3(3,0)
**African Art:** PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

**ARH 3570** CAH-ART 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-ART 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 3631** CAH-ART 3(3,0)
**African-American Art:** PR: ENCI 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. Occasional.
ARH 3632H CAH-ART 3(3,0)

ARH 3670 CAH-ART 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-ART 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-ART 3(3,0)

ARH 3683 CAH-ART 3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-ART 3(3,0)
History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3711 CAH-ART 3(3,0)
History of Photography II: PR: Junior Standing or C.I. History of still photography from the early 20th century to the present. The content of this course is designed for art majors. Occasional.

ARH 3720 CAH-ART 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-ART 3(3,0)

ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 4130 CAH-ART 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-ART 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-ART 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-ART 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian art and architecture from 1300 to 1650. Occasional.

ARM 4350 CAH-ART 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-ART 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-ART 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-ART 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4455 CAH-ART 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 4655 CAH-ART 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-Columbian, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-ART 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.

ARH 4892 CAH-ART 3(3,0)
Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and ideology have played in determining representations of women in art. Occasional.

ARH 5897 CAH-ART 3(3,0)
Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2130C CAH-ART 3(3,0)
Fibers & Fabrics: Design and production training in surface design, floor loom weaving and fiber sculpture. Occasional. M&S fee: $5.00

ART 2160C ED-TLP 3(2,3)

ART 2201C CAH-ART 3(2,4)
Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&S fee: $15.00

ART 2201H CAH-ART 3(2,4)
Honors Design Fundamentals-Two Dimensional: PR: ART 2200. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-ART 3(2,4)
Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&S fee: $15.00

ART 2300C CAH-ART 3(2,4)
Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee: $10.00

ART 2300H CAH-ART 3(2,4)

ART 2301C CAH-ART 3(2,4)
Drawing Fundamentals II: PR: ART 2300C or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. Fall, Spring. M&S fee: $10.00

ART 2394 CAH-ART 3(3,0)
Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylos as a medium. Occasional.

ART 2400C CAH-ART 3(2,4)
Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. Occasional.

ART 2500C CAH-ART 3(2,4)
Beginning Painting: PR: ART 2200C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. Occasional. M&S fee: $15.00

ART 2701C CAH-ART 3(2,4)
Sculpture: PR: Three semester hours in three-dimensional work. ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall. M&S fee: $35.00

ART 2754C CAH-ART 3(2,4)
Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee: $35.00

ART 2820 CAH-ART 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 among the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2820H CAH-ART 3(3,0)
Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. Occasional.

ART 3161 CAH-ART 3(3,0)
Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 3170C CAH-ART 3(2,4)

ART 3171C CAH-ART 3(2,4)
Materials for Artist Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. Occasional. M&S fee: $52.00

ART 3504C CAH-ART 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee: $15.00

ART 3616C CAH-ART 3(3,0) Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee: $15.00

ART 3618C CAH-ART 3(3,0) Post-Production Design: PR: Accepted into Animation program. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

ART 3643C CAH-ART 3(2,4) Digital Effects & Compositing: PR: Animation major and FIL 3720C. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&S fee: $45.00


ART 3737C CAH-ART 3(2,4) Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3760C CAH-ART 3(2,4) Intermediate Ceramics: PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. Fall, Spring. M&S fee: $35.00

ART 3764C CAH-ART 3(2,4) Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee: $35.00

ART 3833C CAH-ART 3(2,4) Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. The "formative activities" must be manifested by students in the form of small sculptures and/or other formations of creativity. Occasional.

ART 3950 CAH-ART 3(0,0) Portfolio Review: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and ART 3170C. The creation of visual art objects. With Honors content. M&S fee: $35.00

ART 4132C CAH-ART 3(2,4) Advanced Fiber And Fabrics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2310C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.

ART 4172C CAH-ART 3(2,4) Book Repair and Restoration: PR: ART 2201C, ART 2203C, and ART 3170C. Mending, repairing, and rehinding books from the Library and Special Collections. Occasional.


ART 4177C CAH-ART 3(2,4) Commercial Book Design and Publishing: PR: ART 2820 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional.

ART 4226C CAH-ART 3(3,3) Post Production for Animators: PR: FIL 3734C. Concepts and tools for finishing computer and traditional animations. Emphasis on final digital platform. May be repeated for credit. Fall, Spring.

ART 4320C CAH-ART 3(2,4) Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3323C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-ART 3(2,4) Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Fall, Spring. M&S fee: $30.00

ART 4505C CAH-ART 3(2,4) Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee: $15.00


ART 4710C CAH-ART 3(2,4) Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $45.00

ART 4765C CAH-ART 3(2,4) Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee: $35.00


ART 4783C CAH-ART 3(2,4) Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, 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


ART 4935 CAH-ART 3(3,1) BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee: $15.00

ART 4945L CAH-ART 6(0,6) Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

ART 4954 CAH-ART 3(3,0) Scotland Study Abroad: PR: ART 2820, ART 2201C, ART 2203C, or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-ART 3(2,4) Senior Thesis: PR: Senior Standing, Art major, and C.I. A capstone thesis for Art Animation majors. May be repeated for credit. Occasional. M&S fee: $45.00

ART 5109C CAH-ART 3(2,4) Multi-Cultural Arts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. Occasional.

ART 5280C CAH-ART 3(3,3) Serial Content and Classic Form I: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee: $45.00

ART 5284 CAH-ART 3(3,0) Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee: $45.00

ART 5670C CAH-ART 3(2,4) Digital Illustration: CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&S fee: $45.00
ART 5694 CAH-ART 3(3,0)
Cultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

ART 5695 CAH-ART 3(3,0)
WebArt II: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee: $45.00.

ART 5696 CAH-ART 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface systems and technologies in contemporary society and culture including place making, way finding, progress, electronic interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0)
Concourse I: PR: ART 5910 and ART 5200C or ART 5914, or C.I. Digital reproduction of studio works. Fall. M&S fee: $45.00.

ART 5745 CAH-ART 3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. Occasional.

ART 5811C CAH-ART 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prereqs.), graduate status or senior standing, or C.I. Seminar class on professional information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $45.00.

ART 5910 CAH-ART 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $45.00.

ART 5934 CAH-ART 3(3,0)

ART 5941 CAH-ART 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. 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)

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4304 CAH-HIST 3(3,0)

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 18th through 20th Centuries: PR: Modern Japan 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. Course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. 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 status 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 vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS 4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.

ASL 2510 HPA-COM SC&DIS 3(3,0)
Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASL 3444 HPA-COM SC&DIS 3(3,0)

ASL 4161C HPA-COM SC&DIS 4(3,1)

ASL 4201 HPA-COM SC&DIS 4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. Occasional.

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 phonological, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASL 4435 HPA-COM SC&DIS 3(3,0)
Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASL 4700 HPA-COM SC&DIS 3(3,0)
Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)

AST 2002L COS-PHYS 1(0,3)

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)

AST 3110 COS-PHYS 3(3,0)

AST 3211 COS-PHYS 3(3,0)

AST 3402 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002, PHY 2053C. 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)

AST 4142 COS-PHYS 3(3,0)
Asteroids, Comets, and Meteorites: PR: AST 2002 or AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.

AST 4152 COS-PHYS 3(3,0)

AST 4501 COS-PHYS 3(3,0)
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AST 4700</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Experimental Methods in Astronomy: PR: AST 2002, PHY 246, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; astronomical observations; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.</td>
</tr>
<tr>
<td>AST 4762</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Astronomical Data Analysis: PR: MAC 2313, and an upper level course in astronomy or planetary science, or C.I. Astronomical data analysis and techniques; celestial mechanics; methods of studying the sky; determination of the coordinates of stars or extraterrestrial objects; polar coordinates; spherical trigonometry; measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Odd Fall.</td>
</tr>
<tr>
<td>AST 5154</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Ph.D. or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.</td>
</tr>
<tr>
<td>AST 5165</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3051, graduate status or senior standing, or C.I. This course will explore the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.</td>
</tr>
<tr>
<td>AST 5263</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Advanced Observational Astronomy: PR: Graduate standing in the Physics department of C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.</td>
</tr>
<tr>
<td>AST 5324</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Occasional.</td>
</tr>
<tr>
<td>BOT 3018C</td>
<td>COS-BIOL</td>
<td>3(1,2)</td>
<td>Culinary Botany Across the Cultures: PR: BOT 3800, Junior standing, or C.I. Culinary food traditions and the connections between plants, people, and health; examines the preparation methods that enhance the nutritional values. Occasional. M&amp;S fee: $9.50</td>
</tr>
<tr>
<td>BOT 3152C</td>
<td>COS-BIOL</td>
<td>3(1,4)</td>
<td>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 ethnobotanical significance. Weekend field trips may be required. Occasional.</td>
</tr>
<tr>
<td>BOT 3800</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Ethnobotany: PR: BSC 2101C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.</td>
</tr>
<tr>
<td>BOT 3820C</td>
<td>COS-BIOL</td>
<td>3(2,1)</td>
<td>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&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>COS-BIOL</td>
<td>5(3,6)</td>
<td>Plant 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&amp;S fee: $40.00</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>COM-M&amp;M</td>
<td>4(3,1)</td>
<td>General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.</td>
</tr>
<tr>
<td>BOT 4503L</td>
<td>COS-BIOL</td>
<td>1(0,3)</td>
<td>Plant Physiology laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BOT 4686C</td>
<td>COS-BIOL</td>
<td>4(3,3)</td>
<td>Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.</td>
</tr>
<tr>
<td>BOT 5485C</td>
<td>COS-BIOL</td>
<td>3(2,3)</td>
<td>Terrestrial Cryptogams: PR: BOT 4303C, graduate status or senior standing, or C.I. A lecture-laboratory survey course on the biodiversity and classification of terrestrial cryptogams (bryophytes, ferns, and fern allies) with special emphasis on those found in Florida. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.</td>
</tr>
<tr>
<td>BSC 1005H</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment, the role of human population preserving ecological integrity. Occasional.</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>COS-BIOL</td>
<td>1(0,2)</td>
<td>Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>BSC 1050L</td>
<td>COS-BIOL</td>
<td>1(0,2)</td>
<td>Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>COS-BIOL</td>
<td>4(3,2)</td>
<td>Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>BSC 2010H</td>
<td>COS-BIOL</td>
<td>4(3,3)</td>
<td>General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&amp;S fee: $24.00</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>COS-BIOL</td>
<td>4(3,3)</td>
<td>Biology II: PR: BSC 2010C or C.I. Open only to students whose major requires this specific course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>BSC 2011H</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>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.</td>
</tr>
</tbody>
</table>
BSC 3403C COM&M&M 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3022, or CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall. Spring. M&S fee: $25.00

BSC 3404H COM&M&M 4(3,4)
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3022, or CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM&M&M 3(3.0)
Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8)

BSC 4011 COS-BIOL 3(3.0)

BSC 4312C COS-BIOL 4(3.0)
Marine Biology: PR: PCB 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. Even Spring. M&S fee: $45.00

BSC 4422L COS-BIOL 1-4(0,3-12)
Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4454 COS-BIOL 2(0,2)
Research in Animal Physiology: PR: PCB 4723. 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 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 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in a 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: Graduate standing or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3.0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3.0)
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) and their impacts on native species and ecosystems. Even Spring.

BSC 5340L COS-BIOL 2(0,9)
Terrestrial Ecology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize these biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00

BSC 5518 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 5517 COS-BIOL 3(3.0)
Biography for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the exam, and develop a representative program. Occasional.

BSC 5821 COS-BIOL 4(4,0)
Biogeography: PR: Graduate standing or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee: $15.00

BTE 4410 ED-TLP 3(3.0)
Course Construction in Business Education: PR: EVT 3385 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0)
Legal and Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0)
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0)

BUL 5332 BA-ACCT 3(3,0)
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of regulation 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: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 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)

CAP 4720 ECS-CS 3(3,0)
Computer Graphics: PR: COP 3503C and COP 3960 and MAC 2347 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics APIs. Occasional.

CAP 5015 ECS-CS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for; determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0)
Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COP 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5419 ECS-CS 3(3,0)

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.
UCF Courses and Descriptions

CAP 5512 ECS-CS 3(3,0) Evolutionary Computation: PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5636 ECS-CS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems", memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.

CBH 3003 COS-PSYCH 3(3,0) Comparative Psychology: PR: PSY 2012. A study of comparative behaviors of lower animals. Occasional.

CCE 4003 ECS-CIE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 with a grade of "C" or better. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CIE 3(3,0) Construction Methods: PR: CES 4100C. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CIE 3(3,0) Construction Estimating and Scheduling: PR: CCE 4003. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CIE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CWR 3201. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CIE 3(2,2) Construction Design Project: PR: Senior Standing, CCE 4034, and CCE 4004. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.


CCE 5006 ECS-CIE 3(3,0) Introduction to Construction Industry: PR: Post-bac status or C.I. This course introduces students to the construction industry, topics include project evaluation, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. Occasional.

CCE 5036 ECS-CIE 3(3,0) Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. Occasional.

CCE 5205 ECS-CIE 3(3,0) Construction Methods: PR: Post-bac status or C.I. This course covers project construction evaluation principles along with construction methods for civil and structural systems. Occasional.


CCE 5615 ECS-CIE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. Occasional.

CCJ 3014 HPA-CJ/LS 3(3,0) Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ/LS 3(3,0) Criminal Justice System: An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.


CCJ 3450 HPA-CJ/LS 3(3,0) The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature, methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ/LS 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the reference of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.


CCJ 3667 HPA-CJ/LS 3(3,0) Victims and the CJ System: PR: CCJ 3024. Course examines victims as they affect the Criminal Justice System, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ/LS 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ/LS 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4076 HPA-CJ/LS 3(3,0) Crime Analysis II: PR: CIE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4120 HPA-CJ/LS 3(3,0) Crime Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ/LS 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 (Criminal Justice System) and CJI Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ/LS 3(3,0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ/LS 3(3,0) Death Penalty: PR: CCJ 3034. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641 HPA-CJ/LS 3(3,0) Organized Crime: An examination of organized crime, including structure, history, and activities, and of issues surrounding efforts to define and control it. Occasional.


CCJ 4651 HPA-CJ/LS 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/LS 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 4690 HPA-CJ/LS 3(3,0) Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ/LS 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 used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ/LS 1-3(1-3,0) Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.
CEN 5015 HPA-C/LS 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice Master's program or C.I. This course provides an overview of major dimensions of crime in the U.S.: epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

CJ 5073 HPA-C/LS 3(3,0) Data Management Systems for Crime Analysis: PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.

CDA 5406 HPA-C/LS 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. Occasional.

CDA 5456 HPA-C/LS 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice Master's program or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CDA 5617 HPA-C/LS 3(3,0) Justice and Safety System Manpower: Processes essential to human resource administration in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.

CDA 5675 HPA-C/LS 3(3,0) Human Rights and Criminal Justice: PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

CDA 5931 HPA-C/LS 3(3,0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CDA 5934 HPA-C/LS 1(1,0) Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.


CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4768C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS 3(3,0) Parallel Architecture and Algorithms: PR: COP 4210. CDA 5106. General-purpose vs. special-purpose parallel computers, arrays, message-passing; shared-memory; memory hierarchy; 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 4768C. Overview of VLSI technology. Logical design of basic software systems; integrated design system tools; design of a VLSI computer system. Occasional.


CEG 3301 ECS-CEE 3(3,0) Engineering and Environmental Geology: PR: EGN 3331 with a grade of "C" (2.0) or better. 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 4011C ECS-CEE 4(3,2) Geotechnical Engineering I: PR: EGN 3331 with a grade of "C" (2.0) or better and COP 3402. Engineering properties and classification of soils. Designs considerations for compaction, seepage, consolidation, and settlement analysis. Fall, Spring. M&S fee: $30.00

CEG 4801C ECS-CEE 3(2,2) Geotechnical Engineering Design: PR: CEG 4011C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee: $15.00

CEG 4812 ECS-CEE 1(1,0) Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CEG 5015 ECS-CEE 3(3,0) Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 4011C with emphasis on field strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CEG 5700 ECS-CEE 3(3,0) Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater transport, geotechnics and stability of landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable 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 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3500C, 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-CEE 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-CEE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. 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-CEE 3(3,0) Steel Structures: PR: CES 4100C. Design of structural steel members and buildings emphasizing the AISC-LRFD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.

CES 4608C ECS-CEE 3(2,2) Steel Design: PR: CES 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. Spring. M&S fee: $12.00

CES 4702 ECS-CEE 3(3,0) Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Spring.

CES 4709C ECS-CEE 3(2,2) Concrete Design: PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee: $15.00

CES 5144 ECS-CEE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are common and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.

CES 5325 ECS-CEE 3(3,0) Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CES 5606 ECS-CEE 3(3,0) Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.
UCF Courses and Descriptions

CET 5706  ECS-CEE  3(3,0)
Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CET 5821  ECS-CEE  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 2124  ECS-ENT  3(3,0)
Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 2364  ECS-ENT  3(3,0)
Systems Applications in C/C++: PR: MAC 1105 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 3115C  ECS-ENT  4(3,2)
Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3198C  ECS-ENT  3(3,2)
Digital Systems: PR: DC Circuits and Digital Circuits I. Finite State Machines and Algoritmic State Machines, includes design, synthesis and implementation of a digital system using schematic capture and VHDL. Spring. M&S fee: $12.00.

CET 3383  ECS-ENT  3(3,0)
Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.

CET 3529  ECS-ENT  3(3,0)
Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679  ECS-ENT  3(3,0)
Intro to Telephony: PR: EET 3065C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C  ECS-ENT  3(2,4)
Microprocessor Electronics II: PR: Digital Circuits I or CRT 4080C. Software and microprocessor systems, and hardware architecture are covered in great detail. Assembly language programming interfacing and hardware characteristics as well as applications are covered. Occasional. M&S fee $46.00.

CET 4138C  ECS-ENT  3(3,2)
Digital Programmable Devices: PR: CET 3198C or equivalent. The MC68000 Software and architecture, and applications of various types of programmable logic devices. Design entry methods, e.g., HDL, schematic capture, etc. Lab exercises using PALs, PLDs, and FPGA's. Occasional.

CET 4333  ECS-ENT  3(3,0)

CET 4334C  ECS-ENT  3(2,2)

CET 4427  ECS-ENT  3(3,0)
Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429  ECS-ENT  3(3,0)
Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.

CET 4469C  ECS-ENT  3(2,2)

CET 4483  ECS-ENT  3(3,0)
Intro to Local Area Network Technology: PR: CET 3065C or equivalent 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. May be repeated for credit. Spring.

CET 4505  ECS-ENT  3(3,0)
Applied Operating Systems I: PR: CET 2364. Modifying the operating system to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4523  ECS-ENT  3(3,0)
Applied Operating Systems Analysis: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of mini, mainframes, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583  ECS-ENT  3(3,0)
Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584  ECS-ENT  3(3,0)
Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.

CET 4663  ECS-ENT  3(3,0)

CET 4668  ECS-ENT  3(3,0)

CET 4741L  ECS-CS  3(0,3)
Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.

CET 4748  ECS-ENT  3(3,0)
Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, choosing appropriate technologies, and evaluating results. Fall.

CET 4749  ECS-ENT  3(3,0)

CET 4882  ECS-ENT  3(3,0)

CET 4884  ECS-ENT  3(3,0)

CET 4931  ECS-ENT  3(3,0)
Current Topics in Technology: PR: C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication. Occasional.

CET 5012  ECS-ENT  3(3,0)
Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases and related technologies, and telecommunications systems. Fall.

CGN 3501C  ECS-CEE  3(2,3)
Civil Engineering Materials: PR: EGN 3331 with a grade of "C" (2.0) or better, CHM 2046. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Spring. M&S fee: $30.00.

CGN 4300  ECS-CEE  3(3,0)
Civil Engineering Systems: PR: EGN 3613, MAC 2133; 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-CEE  3(3,0)
Public Works Engineering: PR: ENV 3001 and CWR 3001. 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-CEE  3(2,2)
Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CES 4608C, CWR 4812C, ENV 4562C, CEG 4801C, or CES 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques I: PR: CHM 2211 and CHM 2211L.</td>
<td>2</td>
<td>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: $45.00</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I: PR: CHM 2046, PHY 2049, and MAC 2312.</td>
<td>4</td>
<td>Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.</td>
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<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II: PR: CHM 3410.</td>
<td>3</td>
<td>Continuation of CHM 3410. Spring.</td>
</tr>
<tr>
<td>CHM 34111L</td>
<td>Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411.</td>
<td>2</td>
<td>Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry: PR: PHY 2049 and PHY 2054.</td>
<td>3</td>
<td>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: PR: CHM 2211, CHM 3120.</td>
<td>3</td>
<td>Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.</td>
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<tr>
<td>CHM 4130L</td>
<td>Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130.</td>
<td>2</td>
<td>This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectoscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will also be exercised. Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>Organic Chemistry III: PR: CHM 2211 or its equivalent.</td>
<td>3</td>
<td>Organic reaction mechanisms and retrosynthetic and their application to synthetic chemistry. Occasional.</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>Inorganic Chemistry: CR: CHM 3411.</td>
<td>3</td>
<td>A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Chemistry Laboratory: PR: CHM 4610.</td>
<td>2</td>
<td>A study of physical and chemical properties and synthetic techniques in inorganic Chemistry. Fall. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>CHM 4914C</td>
<td>Undergraduate Research Methods: PR: CHM 2111 or C.I.</td>
<td>1</td>
<td>Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall. Spring.</td>
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<tr>
<td>CHM 4930</td>
<td>Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4014C.</td>
<td>1</td>
<td>A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar. May be used in the degree program a maximum of 2 times. Fall. Spring.</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.</td>
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<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.</td>
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<tr>
<td>CHM 5305</td>
<td>Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.</td>
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<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.</td>
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<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>CHM 5580</td>
<td>Advanced Physical Chemistry: CR: CHM 3411 and MAC 2312.</td>
<td>3</td>
<td>Graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.</td>
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<tr>
<td>CHM 5715C</td>
<td>Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.</td>
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<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers: PR: Any year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The &quot;NC&quot; grading policy applies to this course. Fall. Spring.</td>
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<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science: PR: 'C' grade or better in CHM 2046 &amp; L, or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crim lab). Spring.</td>
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<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy: PR: 'C' grade or better in CHM 2046 &amp; L, or C.I. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&amp;S fee: $45.00</td>
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<tr>
<td>CHS 3511C</td>
<td>Trace Evidence: PR: 'C' grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>CHS 3514C</td>
<td>Fire and Debris Analysis I: PR: CHM 3410 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.</td>
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<tr>
<td>CHS 3520</td>
<td>Forensic Biochemistry I: PR: 'C' or better in BSC 2010C, PCB 3063 &amp; L, and PCB 3233 &amp; L. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall. M&amp;S fee: $30.00</td>
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<tr>
<td>CHS 3533L</td>
<td>Forensic Biochemistry I Laboratory: PR: 'C' or better in BSC 2010C, PCB 3063 &amp; L, and PCB 3233 &amp; L. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall.</td>
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<tr>
<td>CHS 3540C</td>
<td>Fire and Debris Analysis II: PR: CHM 3410 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.</td>
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<tr>
<td>CHS 3549</td>
<td>Forensic Science in the Courtroom: PR: CHS 3501. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.</td>
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<tr>
<td>CHS 4506C</td>
<td>Forensic Crime Scene Investigation: PR: Grade of 'C' or better in CHS 3511C. Modern technology applied to forensic investigation. Occasional.</td>
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<tr>
<td>CHS 4515C</td>
<td>Forensic Biology 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&amp;S fee: $45.00</td>
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<tr>
<td>CHS 4532</td>
<td>Interpretation of DNA Evidence: PR: Grade of 'C' or better in CHS 3533C. Concepts and principles of genetic data analysis as applied to forensics. Occasional.</td>
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<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance: PR: Grade of 'C' or better in CHS 3505C. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crim lab). Spring.</td>
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<tr>
<td>CHS 4541C</td>
<td>Fire and Debris Analysis I: PR: CHS 3505C. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.</td>
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</table>

CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. 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 technology, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. 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 courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0) The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 4355, CHS 6535, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.

CIS 3003 ECS-CS 3(3,0) Fundamentals of Information Technology: PR: CGS 2545C and COP 3223. Pervasive themes in IT. Organizational issues, History of IT, IT and its related and informing disciplines. Application domains. Applications of math and statistics to IT. Fall.


CIS 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 3960 or CIS 3862) or C.I. Thread modeling. Secure code life-cycle, Buffer overflows, race conditions and format string problems, inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Occasional.

CIS 5105 ECS-CS 3(3,0) Capacity Planning and Performance Evaluation of Web Services: PR: COP 4600, graduate standing and or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.

CIS 5378 ECS-CS 3(3,0) Designing Secure Transactions in Web Applications: PR: Graduate standing and or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data encryption, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. Spring.

CJC 3010 HPA-CJ/LS 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 3164 HPA-CJ/LS 3(3,0) Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.


CJE 3001 HPA-CJ/LS 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/LS 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/LS 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/LS 3(3,0) Criminal Profiling in Criminal Justice: PR: CCJ 3014 or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ/LS 3(3,0) Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.


CJE 4350 HPA-CJ/LS 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 organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ/LS 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/LS 3(3,0) Justice Agency Operations: PR: CCJ 3024 and CCJ 3540 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ/LS 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 4663 HPA-CJ/LS 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.


CJC 3014H HPA-CJ/LS 3(3,0) Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.
CJL 3110 HPA-CJ/LS 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/LS 3(3,0) Prosecution and Adjudication: PR: CCJ 3024 or PLA 3013 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of changing, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010 HPA-CJ/LS 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/LS 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/LS 3(3,0) Legal Aspects of the Criminal Court Process: PR: CJL 3510. The legal dimensions of various criminal court decision-making stages, including bail; charging; preliminary hearing; grand jury; pretrial hearings; plea hearings; trial; and, sentencing. Occasional.


CJL 5049 HPA-CJ/LS 6(6,0) International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.


CJT 3821 HPA-CJ/LS 3(3,0) Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ/LS 3(3,0) Risk Management in Criminal Justice/Private Security: PR: SCC 3111. This course examines the concept of risk management in a criminal justice context. Occasional.


CLP 3143 COS-PSYCH 3(3,0) Abnormal Psychology: PR: PSY 2012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.


CLP 3184 COS-PSYCH 3(3,0) Women’s Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PSYCH 3(3,0) Clinical Psychology: PR: PPE 3003 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-PSYCH 3(3,0) Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PSYCH 3(2,2) Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.


CLP 4314 COS-PSYCH 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390 COS-PSYCH 3(3,0) Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.


CLP 5166 COS-PSYCH 3(3,0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PSYCH 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 CAH-PHIL 3(3,0) Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2022, LIT 2120, or UCF 2120. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 CAH-PHIL 3(3,0) Comparative Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2022, LIT 2120, or UCF 2120. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CMC 4240 COS-R/TV 3(1,2) Corporate/Institutional Video: PR: RTV 3200, RTV 3260C (RTV 3260C may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. Occasional.


CNT 4403 ECS-CS 3(3,0) Network Security and Privacy: PR: (CNT 3004 or CFT 4483) or CNT 4704) and (CIS 3360 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CNT 4703C ECS-CS 3(1,2) Design and Implementation of Computer Communication Networks: PR: CNT 3004, COP 3502C, MAD 2104 or COP 3100C. Data communication networking technologies (TOP/ IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. Fall, Spring. M&F fee: $160.00

CNT 4704 ECS-CS 3(3,0) Analysis of Computer Communication Networks: PR: CNT 3100C, STA 2103, MAC 2311. Network design using laying, introduction to OSI and TCP/IP, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.


COM 1000 COS-COMM 3(3,0) Introduction to Communication: Survey course introducing students to theory, history, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1) Sports Speaking and Interviewing: PR: SPC 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.

COM 3011C COS-COMM 3(3,0) Communication and Human Relations: PR: or CR: COM 3311. Semantics, symbols and meaning and their relationship with human behavior. Fall, Spring.

COM 3013 COS-COMM 3(3,0) Communication and the Family: PR: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3110 COS-COMM 3(3,0) Business and Professional Communication: PR: Majors only, SPC 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.
COM 3110H ECS-COMM 3(3,0) Honors Business and Professional Communication: PR: Majors only. SPC 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presntational speaking for business and professions. With Honors content. Occasional.

COM 3120 ECS-COMM 3(3,0) Communication: PR: COM 3311. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 ECS-COMM 3(3,0) Communication Research Methods: PR: STA 2014C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 ECS-COMM 3(3,0) Computer Mediated Communication: PR: COS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 ECS-COMM 3(3,0) Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 ECS-COMM 3(3,0) Role of Motivation in Communication: PR: COM 3311. Motivation theories that directly affect the process of human communication. Occasional.

COM 4014 ECS-COMM 3(3,0) Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4461 ECS-COMM 3(3,0) Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 ECS-COMM 3(3,0) Conflict Management: PR: COM 3311. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C ECS-CS 4(3,1) Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3,0) Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. Fall, Spring.

COP 3330 ECS-CS 3(3,0) Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3402 ECS-CS 3(3,0) Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,0) Computer Science I: PR: COP 3223 and MAC 1106. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0) Honors Computer Science I: PR: Permission of Honors and COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Occasional.

COP 3503C ECS-CS 4(3,1) Computer Science II: PR: COP 3502C and COP 3503C and (MAC 2104 and COP 3330). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 4(3,1) Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3503C and COP 3330) and (MAC 2104 or COP 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

COP 4020 ECS-CS 3(3,0) Programming Languages I: PR: COP 3503C and COP 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms: object-oriented, functional and logic programming are presented. Fall, Spring.


COP 4516C ECS-CS 3(1,3) Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COP 3960. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4610L ECS-CS 3(0,3) Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0) Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4610L or CNT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COP 4710 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, and yee and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queueing theory, security, distributed systems, case studies. Spring.

COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.


COT 3960 ECS-CS 0(1,0) CS Foundation Exam: PR: COP 3502C AND COP 3510C. 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 3530C 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 3530C and COP 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310L ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4020 and COP 4710. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(k) grammars. Fall, Spring.
UCF Courses and Descriptions


COT 5507 ECS-CS 3(3,0) Computational Methods/Applications: PR: COT 4500. Computational solution techniques for algebraic equations, ODE and PDE Models of applications selected from science, engineering, applied mathematics, and computer science. Occasional.

COT 5510 ECS-CS 3(3,0) Computational Methods/Linear Systems: PR: COT 4500 and MAS 3106. Mathematical models for linear systems, linear programming, the simplex method, integer and mixed-integer programming, introduction to nonlinear optimization and linearization. Occasional.


CPO 3204 COS-POLS 3(3,0) Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3103 COS-POLS 3(3,0) Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 COS-POLS 3(3,0) Politics of Western Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1848 era. Odd Spring.

CPO 3132 COS-POLS 3(3,0) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 COS-POLS 3(3,0) Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Even Fall, Spring.

CPO 3403H COS-POLS 3(3,0) Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0) Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4047 COS-POLS 3(3,0) Politics of the NAFTA Region: PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


CPO 4074 COS-POLS 3(3,0) Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS 3(3,0) Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0) Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS 3(3,0) Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS 3(3,0) Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and party system in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0) Politics of East Asia: PR: POS 2041 or C.I. Major trends in political, economic and socio-cultural aspects in the East Asian region. Occasional.

CPO 4553 COS-POLS 3(3,0) Politics of Japan: PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.

CPO 4643 COS-POLS 3(3,0) Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0) Women in Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4754 COS-POLS 3(3,0) Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS 3(3,0) Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.

CPO 5334 COS-POLS 3(3,0) Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador. Occasional.

CRW 3010H CAH-ENG 3(3,0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary works and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG 3(3,0) Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102, or C.I. A literary genre and craft workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3111, or C.I. Writers present original nonfiction writing for class response and individual conferences. Close 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 grade of C (2.0) or better required in CRW 3013, 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 3311, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scanlan, 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, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Fall, Spring.

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, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3950 CAH-ENG 3(3,0) Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF’s student literary journal. Fall, Spring.

CRW 4014 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, completion of at least one of the following courses: A grade of C (2.0) or better in CRW 3120, CRW 3211, CRW 3310, or CRW 3610, CRW 3013; 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 3120, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

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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 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0)  
Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshops format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0)  
Advanced Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3121, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0)  
Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3610, or C.I. Intensive practice in writing scripts. 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 and CRW 3610, or C.I. Intensive writing practice in poetry. 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 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of theory and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG 3(3,0)  
The Florida Review: PR: English major and grade of C (2.0) or better required in CRW 3310 or CRW 3120 or CRW 3111. Teaching creative writing to community groups through service-learning. Occasional.

CRW 4804 CAH-ENG 3(3,0)  
Creative Writing in the Community: PR: Junior standing and CRW 3310 or CRW 3120 or CRW 3111. 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 genre (poetry, short fiction, etc.). May be repeated for credit only when course content is different. 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.
DAE 3370 ED-CFCS 3(1,2)


DAN 3134 CAH-THEA 3(3,0)

Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.

DEP 2004 COS-PSYCH 3(3,0)


DEP 2004H COS-PSYCH 3(3,0)

Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors consent. Fall.

DEP 3202 COS-PSYCH 3(3,0)


DEP 3464 COS-PSYCH 3(3,0)

Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0)

Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-DIG 3(3,0)

Introduction to Digital Media: PR: ENC 1103 and MAC 1105. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-DIG 3(2,2)


DIG 2109C CAH-DIG 3(2,2)


DIG 2485 CAH-DIG 3(3,0)

Visual Language of the Moving Image: PR: Minimum grade of "B" (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. Fall, Spring.

DIG 2500C CAH-DIG 3(2,2)


DIG 2821 CAH-DIG 3(3,0)

Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3024 CAH-DIG 3(3,0)


DIG 3035 CAH-DIG 1(1,0)

Digital Media in the Workplace: PR: ENC 1102: Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(3,0)

Media Software Design: PR: DIG 2000 and COP 2500C with a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. Fall, Spring.

DIG 3138C CAH-DIG 3(2,2)


DIG 3153 CAH-DIG 3(3,0)

Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-DIG 3(2,2)

Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3286C CAH-DIG 3(2,2)


DIG 3355C CAH-DIG 3(2,2)

Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.

DIG 3362C CAH-DIG 3(2,2)

Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall.

DIG 3433C CAH-DIG 3(2,2)


DIG 3450H CAH-DIG 3(3,0)

Honors Interactive Performance II: PR: C.I. consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.

DIG 3524C CAH-DIG 3(1,4)

Modeling for Realtime Systems II: PR: DIG 4780C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 3532C CAH-DIG 3(3,0)

Information and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and site types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-DIG 3(2,2)

Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-DIG 3(3,0)

User-Centered Design: PR: DIG 3525. Applying knowledge and design to behavior using interfaces and systems. Fall, Spring.

DIG 3951 CAH-DIG 0(0,0)


DIG 4104C CAH-DIG 3(2,2)

Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3953, and DIG 3611. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4204C CAH-DIG 3(2,2)


DIG 4206C CAH-DIG 3(1,4)

New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-DIG 3(1,4)

Modeling for Visual Language: PR: DIG 4204C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they can be animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-DIG 3(2,2)


DIG 4325C CAH-DIG 3(2,2)

DIG 4326C CAH-DIG 3(1.4) Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of design, and manipulating geometric representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-DIG 3(1.4) Advanced 3D Animation: PR: DIG 4324C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-DIG 3(1.4) Artificial Environments and Effects Workshop: PR: DIG 3555C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity, and character animation. Spring.

DIG 4369C CAH-DIG 3(1.4) Artificial Characters Workshop: PR: DIG 3326C 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-DIG 3(1.4) 3D Textures: PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-DIG 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 3-D Content. Spring.

DIG 4434C CAH-DIG 3(1.4) Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review; or C.I. Advanced techniques of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4451C CAH-DIG 3(1.4) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-DIG 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 store structure. Spring.

DIG 4486C CAH-DIG 3(1.4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-DIG 3(3.0) Rapid Application Web Development: PR: DIG 4451C and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. Fall, Spring.

DIG 4522 CAH-DIG 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-DIG 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 of a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.

DIG 4524L CAH-DIG 3(0.3) Digital Media Project I: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-DIG 3(3.0) Digital Media Production II: PR: DIG 3526 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-DIG 3(0.0) Digital Media Project II: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 3525 Odd Fall, Even Spring.

DIG 4530C CAH-DIG 3(2,2) Media for E-Commerce: PR: DIG 3134C and DIG 3715C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-DIG 3(1.4) Digital Production in Artificial Environments: PR: DIG 4355C, 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 4645 ECS-CS 3(3.0) Digital Media: PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4693C CAH-DIG 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 visual text, virtual reality, intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704C CAH-DIG 3(2,2) Interactive Entertainment: PR: DIG 3134C, DIG 3535, DIG 3563, and C.I. Wags to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-DIG 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-DIG 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-DIG 3(2,2) Casual Game Production: PR: DIG 2505C, 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-DIG 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) Building Virtual Worlds: PR: COP 3503C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented. Occasional.


DIG 4855C CAH-DIG 3(1,4) Converging Media: PR: DIG 4704C and C.I. Applying the convergence of story, play and game conventions into innovative Internet experiences. Fall, Spring.

DIG 5045C CAH-DIG 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-DIG 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-DIG 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5366 CAH-DIG 3(3,0) Creating Interactive Characters: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5487 CAH-DIG 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-DIG 3(1,3) Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-DIG 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media MS program or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C CAH-DIG 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.
UCF Courses and Descriptions

DIG 5656C  CAH-DIG  3(1.3)

DIG 5627  CAH-DIG  3(3.0)
Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

DIG 5810  CAH-DIG  3(3.0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master’s program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5835  CAH-DIG  3(3.0)
Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensics and legal problems. Occasional.

DIG 5950  CAH-DIG  3(3.0)
Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graduated S/U. Fall, Spring.

DSC 4012  HPA-CJ/LS  3(3.0)
Terrorism: PR: CJC 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.

DSC 4013  HPA-CJ/LS  3(3.0)

EAB 3703  COS-PSYCH  4(3.2)
Principles of Behavior Modification: PR: EXP 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. Fall.

EAB 3705C  COS-PSYCH  4(3.2)
Behavior Modification-Part II: PR: EAB 3703, EXP 3404. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765  COS-PSYCH  3(3.0)
Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010  ECS-MMAE  3(3.0)
Fundamentals of Aerobatics: PR: EGN 3321 and a “C” (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3101  ECS-MMAE  3(3.0)
Fundamentals of Aerodynamics: PR: EAS 3010. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530  ECS-MMAE  3(3.0)

EAS 3800C  ECS-MMAE  3(2,3)

EAS 3810C  ECS-MMAE  3(1,3)
Design of Aerospace Experiments: PR: EAS 3000C and EAS 3010. Extension of EAS 3800C. Design of experiments in aeronautics/aerospace systems with emphasis on project team activity. Spring. M&S fee: $45.00

EAS 3990  ECS-MMAE  0(0.0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated S/U. Fall, Spring.

EAS 4105  ECS-MMAE  3(3.0)

EAS 4134  ECS-MMAE  3(3.0)
High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3800C. Continuation of EAS 3101. Normal and oblique shock waves, nozzle and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Visual boundary layers and applications to the design process. Fall.

EAS 4154  ECS-MMAE  3(3.0)

EAS 4200  ECS-MMAE  3(3.0)

EAS 4210  ECS-MMAE  3(3.0)

EAS 4300  ECS-MMAE  3(3.0)
Thermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. Spring.

EAS 4400  ECS-MMAE  3(3.0)

EAS 4404C  ECS-MMAE  3(2.3)
Discrete Control in Aerospace Vehicles: PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, 2-transform, system response. Spring. M&S fee: $15.00

EAS 4505  ECS-MMAE  3(3.0)
Orbital Mechanics: 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. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C  ECS-MMAE  3(1.6)
Aerospace Design I: PR: EAS 4200, EAS 3010, EAS 3800C; CR: EML 4312C, EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring. M&S fee: $54.00

EAS 4710C  ECS-MMAE  3(1.6)
Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype model of an airplane or spacecraft, system or device. Fall, Spring. M&S fee: $45.00

EAS 4991  ECS-MMAE  0(0.0)
Aerospace Career and Academic Faculty Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated S/U. Fall, Spring.

EAS 5123  ECS-MMAE  3(3.0)

EAS 5157  ECS-MMAE  3(3.0)

EAS 5302  ECS-MMAE  3(3.0)

EAS 5315  ECS-MMAE  3(3.0)

EAS 5407  ECS-MMAE  3(3.0)

EAS 5535  ECS-MMAE  3(3.0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4510C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EDB 3213  ED-CFCS  3(3.0)

EDB 4011  ED-CFCS  4(4.0)
Introduction to the Emotionally Disturbed: PR: Senior standing. Development and practice of appropriate cognitive, affective, and motor strategies for selected categories, levels, and degrees of severity of exceptional population. Occasional.
EBD 4210 ED-CFCS 3(3,0)

EBD 4243 ED-CFCS 3(3,0)
Teaching the Emotionally Handicapped: Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.

EBD 4244 ED-CFCS 2(2,0)

ECM 4504C ECS-ECE 4(3,3)

ECM 5135 ECS-ECE 3(3,0)

ECM 5741C ECS-ECE 3(2,3)
Microcomputer-Based Monitoring and Control Systems: PR: EEE 3342C; EEL 4767C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0)
Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3,0)

ECO 2023 BA-ECON 3(3,0)
Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded SU. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0)

ECO 3203 BA-ECON 3(3,0)

ECO 3223 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3011. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECO 3411 BA-ECON 4(4,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3411H BA-ECON 3(3,0)

ECO 3703 BA-ECON 3(3,0)
International Trade: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy. Fall.

ECO 3704 BA-ECON 3(3,0)

ECO 4303 BA-ECON 3(3,0)

ECO 4412 BA-ECON 3(3,0)

ECO 4451 BA-ECON 3(3,0)
Research Methods in Economics: PR: ECO 3011, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.

ECO 4504 BA-ECON 3(3,0)

ECO 4701 BA-ECON 3(3,0)

ECO 4704 BA-ECON 3(3,0)

ECO 4751 BA-ECON 3(3,0)
Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON 3(3,0)
Economics Internship: PR: Consent of department chair. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded SU. Occasional.

ECO 5005 BA-ECON 3(3,0)

ECP 3004 BA-ECON 3(3,0)

ECP 3203 BA-ECON 3(3,0)

ECP 3302 BA-ECON 3(3,0)

ECP 4302 BA-ECON 3(3,0)
Environmental and Natural Resource Economics: PR: ECO 2013 and ECO 2023 or C.I. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro-economic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0)

ECP 4703 BA-ECON 3(3,0)
Managerial Economics: PR: Junior standing, AGS 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. Spring.

ECS 4013 BA-ECON 3(3,0)

EDE 3942 ED-TLP 3(3,0)
Internship: PR: EDG 4410, RED 3012, RED 4519, MAC 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded SU. Fall, Spring.

EDE 4223 ED-TLP 3(3,0)
Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&T fee: $10.00
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 4943</td>
<td>Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. Occasional.</td>
<td>7-12(0.35)</td>
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<tr>
<td>EDE 4945</td>
<td>Internship II Seminar: PR: All required program courses; CR: EDE 4943 internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.</td>
<td>1(1.0)</td>
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<tr>
<td>EDF 1942</td>
<td>Introduction to Educational Internship: Introduction to educational internship with selected partnership institutions. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>EDF 2007</td>
<td>Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.</td>
<td>3(3.0)</td>
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<tr>
<td>EDF 2250</td>
<td>Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 2720</td>
<td>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.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 3120</td>
<td>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.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 3303</td>
<td>Learning Environments and Guidance for Young Children: PR: All courses in Block I. CR: All courses in Block II. Developmentally appropriate education materials, strategies, environments, and guidance for young children. Exploration of active learning and the development of young children's self-esteem and self-regulation. Even Spring.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 3601</td>
<td>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.</td>
<td>3(3.0)</td>
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<tr>
<td>EDF 3740</td>
<td>Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Occasional.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 4214</td>
<td>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.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 4466</td>
<td>Classroom Assessment &amp; 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.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations. Fifteen hour in-school experience required. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.</td>
<td>3(3.0)</td>
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<tr>
<td>EDF 5245</td>
<td>Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDF 5607</td>
<td>Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EDG 1005C</td>
<td>Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
<td>2(1.1)</td>
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<tr>
<td>EDG 2311</td>
<td>Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDG 4323</td>
<td>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 adaption of instruction for diverse student populations. Fall, Spring.</td>
<td>3(3.0)</td>
<td></td>
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<tr>
<td>EDE 4941</td>
<td>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.</td>
<td>1-8(1.8)</td>
<td></td>
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<tr>
<td>EDE 5745</td>
<td>Teaching the Non-English Student: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EHD 5306</td>
<td>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.</td>
<td>1(1.0)</td>
<td></td>
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<tr>
<td>EDS 5356</td>
<td>Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.</td>
<td>3(2.1)</td>
<td></td>
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<tr>
<td>EEC 2001</td>
<td>Introduction to Early Childhood Education: An overview of early childhood education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EEC 3214</td>
<td>Early Childhood Education Learning Environment &amp; Strategies: PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Explores an integrated approach to curriculum planning and scheduling which emphasizes active learning. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EEC 3613</td>
<td>Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.</td>
<td>3(3.0)</td>
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<tr>
<td>EEC 3940</td>
<td>Integration Internship I: PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.</td>
<td>3(0.3)</td>
<td></td>
</tr>
</tbody>
</table>
ECE 4207  ED-CFCS  3(3,0)

ECE 4266  ED-CFCS  3(3,0)
Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

ECE 4268  ED-CFCS  3(3,0)

ECE 4303  ED-CFCS  3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Education Program (Pre-K3rd certification). Organization of instruction and methods for creative activities in a basic skills integrated PreK-3rd curriculum involving dance, music, theatre, visual arts, digital photography, literature and gaming. Fall, Spring.

ECE 4402  ED-CFCS  3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECE 4524  ED-CFCS  3(3,0)
Organization and Management in Early Childhood Education: 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: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

ECE 4604  ED-CFCS  3(3,0)

ECE 4661  ED-CFCS  3(3,0)

ECE 4731  ED-CFCS  3(3,0)
Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECE 4936  ED-CFCS  2(2,0)

ECE 4943  ED-CFCS  12(0,12)
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.
UCF Courses and Descriptions

EEL 4050L ECS-ECE 1(3,0) EELS Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, P/ID 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 and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

EEL 4440 ECS-ECE 3(3,0) Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.


EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 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. M&S fee: $15.00


EEL 4767C ECS-ECE 4(3,3) Embedded Systems: PR: EEE 3342C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timer analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $30.00

EEL 4768C ECS-ECE 4(3,3) Computer Architecture: PR: EEL 3801. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISCvs. CISC. Fall, Spring. M&S fee: $30.00

EEL 4781 ECS-ECE 3(3,0) Computer Communication Networks: PR: EEL 4767C and STA 3032. Network models. Media access protocols, Data link control, Routing and flow control. Internet/Intranet. Current of Honors and EEL 3801 or COP 3223 or STA, ring, FDDI, HSIC, X.25, etc. Fall, Spring.

EEL 4783 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional. M&S fee: $5.00

EEL 4791 ECS-ECE 3(2,4) Telemetry and Space Computer Systems: PR: EEL 3552C and STA 3032, EEL 3657, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "internal upper stages". Occasional.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Application 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. M&S fee: $5.00

EEL 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence; predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3,0) Engineering Systems Software: PR: EEL 4851C and EEL 4767C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, system utilities, and operating system implementation. Fall, Spring, She.

EEL 4884C ECS-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0) Continuous System Simulation II: 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 4767C, and consent of School of ECECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(0,3) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5245C ECS-ECE 3(2,1) Power Electronics: PR: EEL 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. Fall.

EEL 5272 ECS-ECE 3(3,0) Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00

EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, utilization with network and spectrum analyzers. Occasional. M&S fee: $30.00

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. M&S fee: $5.00

EEL 5482 ECS-ECE 3(3,0) Electromagnetic Theory I: PR: Graduate standing or C.I. Maxwell's equations, boundary conditions, propagation and reflection, guided waves. Occasional.
EEL 5513 ECS-ECE 3(3,0)
The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. 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)

EEL 5547 ECS-ECE 3(3,0)

EEL 5625 ECS-ECE 3(3,0)
Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5630 ECS-ECE 3(3,0)

EEL 5669 ECS-ECE 3(3,0)
Autonomous Robotic Systems: PR: EEL 3657 and C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5704 ECS-ECE 3(3,0)

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, reconfigurable computing applications, and evaluable hardware. Even Fall.

EEL 5771C ECS-ECE 3(2,3)

EEL 5780 ECS-ECE 3(3,0)
Wireless Networks: PR: EEL 4791 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 analysis, Nearest 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)

EEL 5874 ECS-ECE 3(3,0)

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: EGN 3420, EEL 4815C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892 ECS-ECE 3(3,0)

EEL 5936 ECS-ECE 0(1,0)
Current Topics in ECEs: PR: Open to all ECE graduate students. Lectures presented by ECE and national lectures will provide our students a broad view of the state of the art and fields. Graded S/U. Even Fall.

EES 4111C ECS-CEE 2(2,3)
Biological Process Control: PR: MAC 1105. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall, Winter, Spring.

EES 4202C ECS-CEE 2(2,3)
Chemical Process Control: PR: Grade of "C" (2.0) or better in ENV 3001; CR: ENV 4561. 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: $45.00.

EES 5318 ECS-CIE 3(3,0)

EES 5605 ECS-CIE 3(3,0)

EET 2025C ECS-ENT 4(3,2)
Power Systems: PR: EET 3085C and EET 2025C. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall, Winter, Spring.

EEX 2010 ED-CFCS 3(3,0)
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-CFCS 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 2(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.
UCF Courses and Descriptions

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 progress of exceptional students. Fall, Spring.

EEX 3241 ED-CFCS 3(3,0)

EEX 3243 ED-CFCS 3(3,1)
Techniques for Exceptional Adolescents-Adults: Cr: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

EEX 3340 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. Fall.

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 3861 ED-CFCS 6(0,16)

EEX 3942 ED-CFCS 3(3,0)
Internship II/Exceptional Education: Pr: EGG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EEX 4054 ED-CFCS 2(2,0)

EEX 4066 ED-CFCS 3(3,0)

EEX 4070 ED-CFCS 3(3,0)

EEX 4242 ED-CFCS 3(3,0)

EEX 4601 ED-CFCS 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and managing appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCS 3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. Occasional.

EEX 4753 ED-CFCS 3(3,0)
Parent Professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCS 3(3,0)
Respite Care: Pr: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EEX 4763 ED-CFCS 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: Pr: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0,35)
Internship II: Pr: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EEX 5051 ED-CFCS 3(3,0)
Exceptional Children in the Schools: Pr: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5702 ED-CFCS 3(3,0)
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning: developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750 ED-CFCS 3(3,0)
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601 ECS-MMAE 3(3,0)
Solid Mechanics: Pr: EGN 3310 and "C" (2.0) or better in the following MAC 2311, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGM 3601L ECS-MMAE 2(0,3)
Solid Mechanics Lab: Cr: EGN 3601. Solid Mechanics Laboratory experiments covering topics such as Tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M&S fee: $15.00

EGN 1006C ECS-ECS 1(1,2)
Introduction to the Engineering Profession: Pr: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall. M&S fee: $5.00

EGN 1007C ECS-ECS 1(1,2)
Engineering Concepts and Methods: Pr: EGN 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication, engineering professionalism and ethics. Spring. M&S fee: $5.00

EGN 1036C ECS-EIMS 2(1,1)
Foundations of Leadership: Pr: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGN 1050C ECS-ECS 3(2,2)

EGN 1111C ECS-MMAE 2(1,3)

EGN 1360 ECS-MMAE 3(3,0)

EGN 2815C ECS-MMAE 3(2,3)

EGN 2992C ECS-EIMS 2(1,1)
LEAD Colloquium: Pr: C.I. LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1055C, EGG 1055C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3060C ECS-ECS 3(2,3)
Introduction to Robotics: Pr: Engineering majors take EGN 1007C and (EEL 3004 or EGN 3373); Computer Science majors take COP 3330, COP 3593C and COP 3594. Introduction to classical and modern topics in robotics: mechanisms and mechatronics, sensors, data processing, and vision, kinematics and dynamics, path and motion planning, controls, AI and evolutionary computing, cooperative control and behaviors. Occasional.

EGN 3211 ECS-ECE 3(3,0)

EGN 3310 ECS-CEE 3(3,0)
Engineering Analysis-Statics: Pr: PHY 2048; CR: MAC 2312. Fundamental concepts of mechanics, including results of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CEE 3(3,0)
Engineering Analysis-Statics (Honors): Pr: Permission of Honors and PHY 2048; CR: MAC 2312. (Honors section for EGN 3310) Advanced treatment of material and additional topics. More challenging assignments. Project work. May be repeated for credit. Fall.
EGN 3321 ECS-MMAE 3(3,0)
Engineering Analysis-Dynamics: PR: EGN 3310 CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MMAE 3(3,0)
Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CES 3(3,0)

EGN 3343 ECS-MMAE 3(3,0)

EGN 3343H ECS-MMAE 3(3,0)

EGN 3358 ECS-MMAE 3(3,0)

EGN 3365 ECS-MMAE 3(3,0)

EGN 3373 ECS-CES 3(3,0)

EGN 3373H ECS-CES 3(3,0)
Principles of Electrical Engineering Honors: PR: Permission of Honors and PHY 2049; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Fall, Spring.

EGN 3420 ECS-CES 3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, integration and plotting. Fall, Spring.

EGN 3613 ECS-IMS 2(2,0)

EGN 3843 ECS-IMS 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>EIN 3354</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Principles of Cost Engineering</td>
</tr>
<tr>
<td>EIN 4191C</td>
<td>ECS-IEMS</td>
<td>2(2,2)</td>
<td>Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of expe- riential and practical experiences in engineering-specific corporate and community settings. Fall.</td>
</tr>
<tr>
<td>EIN 4192C</td>
<td>ECS-IEMS</td>
<td>2(2,2)</td>
<td>Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.</td>
</tr>
<tr>
<td>EIN 4214</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application ofault trees, OSHA requirements. Consideration of accident costs and occupational accidents of accident prevention. Occasional.</td>
</tr>
<tr>
<td>EIN 4364C</td>
<td>ECS-IEMS</td>
<td>3(2,2)</td>
<td>Industrial Facilities Planning and Design: PR: EIN 3314C, EIN 3354. PR: EIN 4333C, EIN 4391C. Comprehensive design of industrial production systems, including inter-relationships of plant location, process design, and materi- als handling. Laboratory assignments. Spring. M&amp;S fee: $20.00.</td>
</tr>
<tr>
<td>EIN 4391C</td>
<td>ECS-IEMS</td>
<td>2(3,3)</td>
<td>Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufac- turing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall. Spring. M&amp;S fee: $20.00.</td>
</tr>
<tr>
<td>EIN 4450</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>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 manufactur- ing and assembly. Even Spring.</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Systems Engineering: PR: STA 2203 or STA 3022 and Senior Standing or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.</td>
</tr>
<tr>
<td>EIN 4545C</td>
<td>ECS-IEMS</td>
<td>3(2,2)</td>
<td>Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, 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. Even Fall.</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>ECS-IEMS</td>
<td>3(2,3)</td>
<td>Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; applica- tion of IEMS techniques to real-world design applications. Spring. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>EIN 5108</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>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 engi- neers, scientists, and other professionals providing services in technically-oriented organizations. Fall.</td>
</tr>
<tr>
<td>EIN 5117</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organ- izational, managerial, and economic aspects of MIS. Spring.</td>
</tr>
<tr>
<td>EIN 5140</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on proj- ect life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>ECS-IEMS</td>
<td>3(2,2)</td>
<td>Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of mus- culoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. M&amp;S fee: $20.00.</td>
</tr>
<tr>
<td>EIN 5251</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story- board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.</td>
</tr>
<tr>
<td>EIN 5255C</td>
<td>ECS-IEMS</td>
<td>3(2,2)</td>
<td>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.</td>
</tr>
<tr>
<td>EIN 5317</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Training System Design: PR: Seniors, post bac or gradu- ate 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.</td>
</tr>
<tr>
<td>EIN 5346</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.</td>
</tr>
<tr>
<td>EIN 5356</td>
<td>ECS-IEMS</td>
<td>3(3,0)</td>
<td>Cost Engineering: Cost estimation and control of engi- neering systems throughout the product life cycle. Spring.</td>
</tr>
<tr>
<td>EIN 561C</td>
<td>ECS-IEMS</td>
<td>3(2,2)</td>
<td>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 pro- gramming, machine and system control. Odd Spring. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>EIN 5936</td>
<td>ECS-IEMS</td>
<td>1(1,0)</td>
<td>Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interview- ing, grants, and publishing. Fall.</td>
</tr>
<tr>
<td>ELD 4011</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theo- ries, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.</td>
</tr>
<tr>
<td>EMA 3012C</td>
<td>ECS-MMAE</td>
<td>3(2,2)</td>
<td>Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3366. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&amp;S fee: $42.00.</td>
</tr>
<tr>
<td>EMA 3124</td>
<td>ECS-MMAE</td>
<td>3(3,0)</td>
<td>Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.</td>
</tr>
<tr>
<td>EMA 3691</td>
<td>ECS-MMAE</td>
<td>3(3,0)</td>
<td>Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2046 or PHY 2053C. Nanomaterials, processing, nanomachining, nanocompositions, nanocom- posites and computations of devices. Occasional.</td>
</tr>
</tbody>
</table>
EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace space materials, materials design. Fall.

EMA 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3385 or EMA 3706; and a “C” (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

EMA 4103 EEC-ENT 3(3,0) Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh space environment. Occasional.


EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3012C, and EGN 3355 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


EMA 5060 ECS-MMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMA 5108 ECS-MMAE 3(3,0) Surface Science: PR: PHY 2048 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-MMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-MMAE 3(2,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EMA 5045 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.

EMA 5517 ECS-MMAE 3(2,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and sputtering theories; fundamentals and applications of secondary ion mass and Rutherford backscattering spectrometry. May be repeated for credit. Occasional.


EMA 5585 ECS-MMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Introduction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 ECS-MMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity, cell-biomaterials interactions, engineering bone and cartilage, soft-tissue replacements, total hip replacements, nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMA 5705 ECS-MMAE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, heat transfer, mechanical properties, and processing. Fall, Spring. M&S fee: $1.00

EMA 2040 ED-ERTL 3(3,0) Introduction to Technology for Educators: Introduction to technology for educators, including classroom management, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

EMA 4312 ED-ERTL 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.

EMA 5050 ED-ERTL 3(3,0) Fundamentals of Technology for Educators: PR: Postbac 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.

EMA 5051 ED-ERTL 3(3,0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Designed to provide participants with an introduction to technology for educators, including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EMA 5053 ED-ERTL 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.

EMA 5057 ED-ERTL 3(3,0) Communication for Instructional Systems—Application: Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.

EMA 5208 ED-ERTL 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.
UCF Courses and Descriptions

EME 5225 ED-ERTL 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-ERTL 1(1,0) Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 3001C ECS-MMAE 1(2,0) Machine Shop Practice: PR: EGN 1111C or C.I. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement concepts. Hands-on experience. Occasional. M&S fee: $15.00

EML 3034C ECS-MMAE 3(3,1) Modeling Methods in Mechanical and Aerospace Engineering: PR: EGN 3343 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312, MAC 2313, MAC 3402 and PHY 2048. CR: EGN 3321 and EGM 3600 or EML 3990. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. Fall, Spring.

EML 3101 ECS-MMAE 3(3,0) Thermodynamics of Mechanical Systems: PR: EGM 3601 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamic relations of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 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.


EML 3701 ECS-MMAE 3(3,0) Fluid Mechanics I: PR: EGN 3211, 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. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3990 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EML 4024C ECS-MMAE 3(2,2) Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200; Basic CADCAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring. M&S fee: $15.00


EML 4260 ECS-MMAE 3(3,0) Dynamics of Machinery: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MMAE 3(3,0) Vehicle Dynamics: PR: EML 3262 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.

EML 4293 ECS-MMAE 3(3,0) Essentials of Miniature Engine Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. Occasional.

EML 4304C ECS-MMAE 2(1,3) Design of Thermo-Fluid Systems: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee: $45.00

EML 4312C ECS-MMAE 3(2,3) Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems; transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4411 ECS-MMAE 3(3,0) Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plant utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EGN 3601, EGN 3365 or EM 3706, EML 3701 or EAS 3101, EML 4142, CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Occasional.

EML 4501C ECS-MMAE 3(1,6) Engineering Design I: PR: EML 3500, EML 3701 and EML 3303C, CR: EML 4512C, EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. Fall, Spring. M&S fee: $15.00

EML 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 final report and test report are completed. Fall, Spring. M&S fee: $45.00

EML 4535C ECS-MMAE 3(2,3) CADCAM: PR: EGN 3343, EML 3034C, and EGM 3601; CR: EAS 4200 or EML 3500. CADCAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring. M&S fee: $15.00

EML 4600 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EGN 3343; CR: EML 3701, EML 3231. Heating, ventilation, and air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.

EML 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, humidity control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. Spring.

EML 4703 ECS-MMAE 3(3,0) Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

EML 4804C ECS-MMAE 3(2,3) Digital Control in Mechatronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. Spring. M&S fee: $15.00

EML 4991 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising II: PR: EML 3990, CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 5060 ECS-MMAE 3(3,0) Mathematical Methods in Mechanical, Materials and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and Laplace and Fourier transforms and invariants, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4710. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.
UCF Courses and Descriptions

ENC 3211H CAH-ENG 3(3,0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better 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 text, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, explanation, and argumentation; control of tone, mood, view- point, 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 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and research in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG 3(3,0)
Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4125 CAH-ENG 3(3,0)
Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing, word processing, automated text processing, methods of reproduction. Introduction of graphics, style, format, layout, and boardwork. Spring. 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 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00

ENC 4262 CAH-ENG 3(3,0)
International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0)
Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-ENG 3(3,0)
Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing 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 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0)
Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0)
Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student’s particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $30.00

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice of 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 required in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0)
Nature Writing: PR: Grade of C (2.0) or better required in CWR 3013. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4414 CAH-ENG 3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0)
Digital Rhetorics and The Modern Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital and rhetoric through a close reading and analysis of formative rhetorical texts, modern American fiction and film. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0)
Editing Professional Writing: PR: Graduate status or senior standing or C.I. The teaching of editing and editing for the professional. Includes editing of the printed page and editing for Web-based documents. Fall, Spring.

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 5245 CAH-ENG 3(3,0)
Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepares students to determine writing needs of professional discourse communities, analyze those needs, and design instruction for programs to address those needs. Occasional.

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 5291 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. Preps for independent teaching. Includes a comprehensive observation and assessment of an experienced teaching professional. Occasional.

ENC 5337 CAH-ENG 3(3,0)
Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetoric-audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester. GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce tests for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0)
Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies". Occasional.

ENG 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENC 4114. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

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### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 4212</td>
<td>CAH-ENG</td>
<td>Air Pollution Control: PR: ENG 3343, CWR 3201, and EN 3001 with a grade of &quot;C&quot; (2.0) or better. Air resources management, engineering design, and operation of air pollution control systems.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENL 4222</td>
<td>CAH-ENG</td>
<td>Air Pollution Control Design: PR: EN 4120. Project course on design of air pollution control equipment and systems.</td>
<td>3(2,2)</td>
</tr>
<tr>
<td>ENV 4531</td>
<td>CAH-CEE</td>
<td>Wastewater Treatment Processes: PR: EN 3001 and CWR 3201. Detailed investigation of priciples of design and operation of wastewater treatment facilities.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>CAH-CEE</td>
<td>Environmental Engineering - Process Design: PR: EN 3001 and CWR 3201. Water treatment and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal.</td>
<td>3(4,0)</td>
</tr>
<tr>
<td>ENV 4562C</td>
<td>CAH-CEE</td>
<td>Environmental Engineering Systems Design: PR: EN 4561, EES 4202C. Project course on design of water and wastewater treatment plants.</td>
<td>3(2,2)</td>
</tr>
<tr>
<td>ENV 4563</td>
<td>CAH-CEE</td>
<td>Environmental Control Systems: PR: EGN 3343, EGN 3737 and CWR 3201 CR: ENV 4561. Analysts and design of process control systems in environmental engineering applications including process dynamics, instrumentation, and control system configuration.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENV 5071</td>
<td>CAH-CEE</td>
<td>Environmental Analysis of Transportation Systems: PR: CWR 3201; ENV 3001. Prediction and abatement of pollution from transportation sources. Analysis techniques and environment laws.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENV 5116C</td>
<td>CAH-CEE</td>
<td>Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theoretical and direct application of air pollution monitoring.</td>
<td>3(2,3)</td>
</tr>
</tbody>
</table>
ENV 5334 ECS-CEE 3(3,0)
Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CEE 3(3,0)
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CEE 4(4,0)
Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CEE 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-CEE 3(3,0)

ENV 5517 ECS-CEE 3(3,0)
Engineering Chemical and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. Fall.

ENV 5563 ECS-CEE 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.

ENY 4004C COS-BIOL 4(2,6)

ENY 5006C COS-BIOL 4(2,6)

EPH 5395 ED-CFCS 3(3,0)
Physical and Sociopolitical Implications of Handicapping Conditions: Overview of physical and sociopolitical factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.

ESE 3940 ED-TLP 3(3,0)

ESE 4942 ED-TLP 1(1,0)
Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLP 7-12(0,35)

ESE 5214 ED-TLP 3(3,0)

ESE 4221 ECS-IEMS 3(3,0)

ESE 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.

ESE 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.

ESE 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.

ESE 4532C ECS-IEMS 3(2,3)

ESE 4628C ECS-IEMS 3(2,3)

ESE 5219 ECS-IEMS 3(3,0)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, non-parametric stats and ANOVA. Fall, Spring.

ESE 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.

ESE 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 (DOORS), software reliability, reliability in design, and electronic systems reliability. Fall.

ESE 5306 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queuing theory, simulation, and nonlinear optimization techniques. Fall.

ESE 5359 ECS-IEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESE 5419C ECS-IEMS 3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Odd Fall. M&S fee: $45.00.

ESE 5531 ECS-IEMS 3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

EST 3211 ECS-ENT 3(3,0)
Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light. Spring.

EST 3213 ECS-ENT 3(3,0)
Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begins with general optical principles and end with system design. Not open to Physics majors or minors. Fall.

EST 3222 ECS-ENT 3(3,0)
Photonics Technology: PR: PHY 2053C, PHY 2054C, MAP 3401, MAC 3312, and MAC 2523 or MAC 3311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, and systems. Fall.

EST 3543C ECS-ENT 3(2,2)
Programmable Logic Applications and Device Integration: PR: MAC 1105, EET 3085C, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol. Fall, Spring.

EST 4225 ECS-ENT 3(3,0)
Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonic manufacturing. Fall.

EST 4227 ECS-ENT 3(3,0)
Photonic Sensors and Devices: PR: EST 3213, EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

EST 4236 ECS-ENT 3(3,0)

EST 4256 ECS-ENT 3(3,0)
Photonics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.

EST 4502C ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: ETE 3541, EET 3085C, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring. M&S fee: $10.00.

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ETC 4206 ECS-ENT 3(3,0)  Construction Estimating: PR: MAC 1114, & EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

ETC 4241C ECS-ENT 3(2,2)  Construction Materials and Methods: CR: ETG 3541. Construction principles, details, materials and methods used as related to the construction of buildings. Fall.

ETC 4242 ECS-ENT 3(3,0)  Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. Spring.


ETD 3350C ECS-ENT 3(2,2)  Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall, Spring.

ETG 3533C ECS-ENT 4(3,2)  Applied Engineering Strength of Materials: PR: MAC 1116, MAC 1114, ETG 3532, PHY 2053C, junior standing; CR: MAC 2253 or MAC 2311. Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr's circle. May be repeated for credit. Spring. M&S fee: $15.00

ETG 3541 ECS-ENT 3(3,0)  Applied Mechanics: PR: MAC 1105 and MAC 1114 and PHY 2053C or equivalent. Cogplanar, parallel, concurrent, and non-current force systems. Centroids, CG's, moments of inertia. Principles of dynamics, rectangular motion and rotation, work, energy, power, impulse, momentum, and impact. Fall, Spring.

ETG 4950C ECS-ENT 3(1,4)  Senior Design Project: PR: Senior Standing Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETG 5918 ECS-ENT 3(3,0)  Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.


ETI 3418C ECS-ENT 3(2,2)  Computer Numerical Controls - Machining Applications: PR: ETG 3535C. Theory of methods and concepts for machining, computer numerical control/programming, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.

ETI 3421 ECS-ENT 3(3,0)  Materials and Processes: PR: MAC 1105 and MAC 1114 or equivalent; Chemistry. A study of fundamental properties of materials. Current industrial practices in foundry, forming, joining and shaping processes. Fall.

ETI 3651C ECS-ENT 3(2,2)  Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.


ETI 3690 ECS-ENT 3(3,0)  Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.

ETI 4150 ECS-ENT 3(3,0)  Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software; with the examination of designing, manufacturing, testing, and operation. Occasional.

ETI 4186 ECS-ENT 3(3,0)  Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4205 ECS-ENT 3(3,0)  Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETI 4381 ECS-ENT 3(3,0)  Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the space-to-ground communications link and ground system design. Occasional.

ETI 4382C ECS-ENT 3(1,4)  Launch Processing Technology: PR: or CR: ETI 4150 or C.I. Processes and methods in the preparation, integration, and launch of a space payload and launch vehicle. Includes hands-on launch processing activities in a laboratory environment. Occasional.

ETI 4448 ECS-ENT 3(3,0)  Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.


ETI 4635 ECS-ENT 3(3,0)  Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling; production, sales, and service. Fall, Spring.

ETI 4640 ECS-ENT 3(3,0)  Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT, (CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

ETI 4661C ECS-ENT 3(2,2)  Applied Facilities Planning and Design: PR: ETI 3421, engineering drawing and senior standing. The design of manufacturing facilities and material handling systems. Occasional.


ETI 4835 ECS-ENT 3(3,0)  Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, CAD. Principles of rocketry; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and thrust computations; nose cone, and nozzle designs; ignition mechanisms. Fall.

ETI 4836 ECS-ENT 3(3,0)  Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. Fall.

ETI 4837C ECS-ENT 3(2,2)  Technology of Small Space Payloads: PR: ETI 4836 and high level programming lang. Principles of technology for design of small rocket and microsatellite payloads; power requirements; telemetry requirements of data transmission; thermal control; shock and vibration tests. Occasional. M&S fee: $34.60


ETI 4839 ECS-ENT 3(3,0)  Space Electro-Optics Technology: PR: PHY 2053C, Calculus I, II, III, CAD. Engineering aspects of current electro-optics and laser-optics technology in theory and application, including design, system integration, system alignment, system calibration, and testing. Occasional.


ETM 4231C ECS-ENT 3(4,3)  Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient phenomena are evaluated, including numerical solutions. Occasional.
UCF Courses and Descriptions

EVT 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EVT 5247 CAH-HIST 3(3,0)
Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EVT 5285 CAH-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5371 CAH-HIST 3(3,0)
Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.

EUH 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. Occasional.

EUH 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5585 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 COS-BIOL 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EVT 3062 ED-TLP 3(3,0)
Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. Occasional.

EVT 3312 ED-TLP 3(3,0)
Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EVT 3365 ED-TLP 3(3,0)
General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EVT 3367 ED-TLP 3(3,0)

EVT 3371 ED-TLP 3(3,0)
Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

EVT 3502 ED-TLP 3(3,0)
Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Fall.

EVT 4065 ED-TLP 3(3,0)

EVT 4169 ED-TLP 3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP 3(3,0)
Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.

EVT 4815 ED-ERTL 3(3,0)

EVT 5260 ED-TLP 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.

EVT 5562 ED-TLP 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.

EVT 5561 ED-TLP 2-3(2,3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EXP 3204C COS-PSYCH 4(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604C COS-PSYCH 3(3,0)

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 bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors II: 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)
FIL 1000H CAH-FILM 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H 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)
FIL 1007 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)
FIL 1008 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.
UCF Courses and Descriptions

FIL 1009 CAH-FILM 3(3,0)
Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1017. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0)
Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

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: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall. Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall. Spring.

FIL 2461 CAH-FILM 3(3,0)
Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. Spring. M&S fee: $5.00

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 1009, FIL 3115, and FIL 3427C. Introduction to processes and techniques of 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(3,2)
Editing I: PR: Film Major, FIL 1008, FIL 3115, FIL 3427C. Basic editing concepts and techniques, using non-linear editing systems. Fall. 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 I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)

FIL 3070C CAH-FILM 3(3,1)
Cinema in the 1820s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1)
Cinema 1890s to the Present: PR: FIL 3035C. Films from the 1890s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instance of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screenwriting for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall. Spring.

FIL 3106C CAH-FILM 3(2,3)
Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

FIL 3115 CAH-FILM 3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall. Spring.

FIL 3132 CAH-FILM 3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone I and 2 courses. Spring.

FIL 3304C CAH-FILM 3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-FILM 3(3,1)
Film Documentary: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. The uses and analysis of the non-fiction film. Fall. M&S fee: $5.00

FIL 3379C CAH-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $5.00

FIL 3427C CAH-FILM 3(2,4)
Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3455C CAH-FILM 6(2,4)
Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-FILM 3(3,1)
Cinematic Expression: PR: FIL 3803C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-FILM 3(3,0)
Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM 3(3,1)
Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-FILM 3(3,0)
Sound Design for Film I: PR: Film BFA, World Cinema or Digital Media major. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3581 CAH-FILM 3(0,3)
Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

FIL 3720C CAH-ART 3(2,4)
Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Introduction to computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall. Spring. M&S fee: $45.00

FIL 3734C CAH-ART 3(2,4)
Intermediate Animation: PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall. Spring. M&S fee: $45.00
M&S fee: $10.00

FIL 3804C CAH-FILM 3(3,1) Film Theory and Criticism II: PR: FIL 3801 and Film BFA, World Cinema, or Film Studies major. Major film theories from the Second World War period to present. Fall. M&S fee: $10.00


FIL 3812C CAH-FILM 3(3,1) Film Theories and Practices: PR: FIL 3010 (Introduction to Philosophy). Concentration on the film theories of filmmakers in relation to their own work and to the cinema generally. Spring.

FIL 3820 CAH-LANG 3(3,0) Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-LANG 3(3,0) Film and Photography: PR: FIL 3004C. A notion of cinema as well as examination of non-traditional structures. Occasional.

FIL 3831 CAH-FILM 3(4,0) Documentary Workshop I: PR: FIL 3041 or C.I. Socially significant documentary projects for community groups, heritage organizations, nonprofit agencies using film, video and digital media. Fall, Spring.

FIL 3841 CAH-FILM 3(3,0) French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renier, Breton, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-FILM 3(3,0) International Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Film Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM 3(3,0) World Cinema Traditions: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Film Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-FILM 3(3,0) Latin American Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Film Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM 3(3,0) Experimental Cinema I: PR: FIL 3075, FIL 3076, and FIL 3075C. A notion of cinema as well as examination of non-traditional structures. Occasional.

FIL 3852 CAH-FILM 3(3,0) Experimental Cinema II: PR: FIL 3075, FIL 3076, and FIL 3075C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM 3(3,1) The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3861C CAH-FILM 3(3,1) Film and Photography: PR: FIL 3076C. Historical and cultural relationship between photography and film. Occasional.

FIL 3862C CAH-FILM 3(3,1) Narrative Structures in Film: PR: Lit 2110 and Lit 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-FILM 3(3,0) The American Film Artist: PR: FIL 3030. Analysis of a major American filmmaker’s style, vision and works, how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee: $5.00

FIL 3876C CAH-FILM 3(3,1) Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-FILM 3(3,1) Experimental Cinema II: PR: FIL 3076C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM 3(3,1) Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM 3(3,1) Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

FIL 4434C CAH-FILM 3(2,4)
Capstone I: PR: FIL 3312 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall. M&S fee: $10.00

FIL 4436 CAH-FILM 3(3,0)
Film Theor/Film Production: PR: Junior standing and FIL 1008 or FIL 1009, or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

FIL 4451 CAH-FILM 3(3,0)
Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4453C CAH-FILM 4(3,2)
Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional. M&S fee: $5.00

FIL 4472C CAH-FILM 3(2,4)
Cinemathography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee: $5.00

FIL 4486C CAH-FILM 3(3,1)
Directing for Film II: PR: FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee: $5.00

FIL 4487 CAH-FILM 3(3,0)
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring. M&S fee: $5.00

FIL 4535C CAH-FILM 3(3,1)
Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.

FIL 4536 CAH-FILM 3(3,0)
Sound Design II: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4554C CAH-FILM 3(3,1)
Non-Linear Editing: PR: Film major and FIL 3427C. Provides basic working knowledge of AVID editing systems, to edit assigned projects, give basic understanding of editing styles and techniques in film storytelling. Occasional. M&S fee: $45.00

FIL 4566C CAH-FILM 3(3,2)
Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee: $5.00

FIL 4573C CAH-FILM 3(1,3)
Capstone I: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&S fee: $5.00

FIL 4602 CAH-FILM 3(3,0)
Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinematic Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4647 CAH-FILM 3(3,0)
Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-FILM 3(3,0)
The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is the examined in context of theatrical film. Spring.

FIL 4735C CAH-ART 3(2,4)
Advanced Animation: PR: Animation majors only, FIL 3720C, FIL 3734C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall. Odd Spring. M&S fee: $45.00

FIL 4740C CAH-FILM 3(3,1)
Film and Digitalization: PR: FIL 3053C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-ART 3(2,4)
Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, and FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee: $45.00

FIL 4808 CAH-FILM 3(3,0)
Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4830 CAH-FILM 3(2,2)
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&S fee: $5.00

FIL 4844 CAH-FILM 3(3,0)

FIL 4863C CAH-FILM 3(3,1)
Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-FILM 3(3,1)
Current Problems in Film and Culture: PR: FIL 3053C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-FILM 3(3,1)
Current Problems in Film Theory: PR: FIL 3053C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-FILM 3(3,1)
Current Problems in Film History: PR: FIL 3053C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling range from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIL 5414 CAH-FILM 3(3,0)
Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-FILM 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIL 5853 CAH-FILM 3(3,0)
Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema 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.

FIL 5924 CAH-FILM 1(1,0)
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall, Spring.

FIN 2100 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C, open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403C BA-FIN 4(3,1)
Business Finance: PR: Junior standing and ACG 2021, ACG 2071, ECO 2013 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

FIN 3403H BA-FIN 4(4,0)
Business Finance - Honors: PR: Junior standing, ACG 2021, ACG 2071 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. Occasional.

FIN 3414 BA-FIN 3(3,0)
Intermediate Corporate Finance: PR: FIN 3403C, open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3461 BA-FIN 3(3,0)
FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and investments. Principles of asset allocation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 4560C, and CI. 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 CI. 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 methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403C, FIN 3303, CR: FIN 3414, FIN 4463. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TLP 3(0,3) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TLP 2(0,2) Technology in the Foreign Language Classroom: PR: EME 2040, EDG 4233. 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-TLP 3(0,3) Foreign Language Teaching in Elementary Schools: PR: C.I. or FLE 4333 or FLE 5870, EDG 4233 or EDG 6236, and fluency in target language and English. Methods of teaching foreign languages at the elementary education level. May be used in the degree program a maximum of 2 times. Occasional.

FLE 4333 ED-TLP 3(0,3) Foreign Language Teaching in the Secondary School: PR: EDG 4233, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-TLP 3(0,3) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4233, or EDG 6236, 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 8-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TLP 3(0,3) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4233 or EDG 6236, 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 repeated for credit. Occasional.

FOL 3730 CAH-LANG 3(3,0) Romance Philology: The study of the major Romance Languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Arabic and Provençal. Occasional.

FRE 1120C CAH-LANG 4(3,1) Elementary French Language and Civilizations I: PR: FRE 1120C or equivalent. Introduction 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 4730 CAH-LANG 3(0,3) Intermediate Elementary French Language and Civilization II: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FRE 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilizations II: PR: FRE 2200 or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilizations II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240 CAH-LANG 3(3,0) Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.
FRW 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.

FRW 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.

FRW 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRW 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.

FRW 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.


FRW 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRW 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 4552 CAH-LANG 3(3,0) Structural Analysis of Beckett's Watt: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English. 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.
GEB 4361 BA-FIN 3(3,0) Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, MAN 3025. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4363 BA-FIN 3(3,0) Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN 3(3,0) International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 5516 BA-MAN 3(3,0) Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategic aspects of technology transfer and development. Occasional.

GEO 5941 BA-BUS 1.5(1.5,0) Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 ECS-CEE 3(3,0) Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 ECS-CEE 3(3,0) Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0) World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1) Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1120H CAH-LANG 4(4,1) Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121C CAH-LANG 4(3,1) Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H CAH-LANG 4(4,1) Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1) Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1) Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0) Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2220 CAH-LANG 3(3,0) German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2240 CAH-LANG 3(3,0) Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0) Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 2272 CAH-LANG 2(2,0) Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG 3(3,0) Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3420 CAH-LANG 3(3,0) Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3440 CAH-LANG 3(3,0) Business German I: PR: GER 2200. Introduction to German business language and practices. Occasional.

GER 3441 CAH-LANG 3(3,0) Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0) Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0) Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0) German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0) Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0) Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0) Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3,0) Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0) Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0) Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3,0) Modern German-Post War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0) German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3,0) The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3,0) Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3,0) Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasional.

GEY 5007 CON-NURS 3(3,0) Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-TLP 3(3,0) Ageing and the Future: PR: BSC 2010C or PCB 3703C or PET 4316C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. Occasional.

GEY 5648 HPA-SOWK 3(3,0) Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from main interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2) GIS for Environmental Studies: PR: CGS 1006C and BSC 2003C, 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.
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GIS 4301C UGST-INTERDISC 4(2,2) Advanced GIS Applications in Environmental Studies: PR: GIS 2032C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-Acost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0) Geology and Its Applications: Geologic principles, applications, and hazards including: geostones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-ART 3(2,4) Introduction to Computer Art: PR: ART 2820 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee: $15.00

GRA 2101H CAH-ART 3(2,4) Honors Introduction to Computer Art: PR: ART 2820 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee: $15.00

GRA 2111C CAH-ART 3(2,4) Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00

GRA 2140C CAH-ART 3(2,4) Computer Graphic Design: PR: Acceptance in Graphic Design Concentration, GRA 3100C, ART 2201C, ART 2202C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. Occasional. M&S fee: $15.00

GRA 2190C CAH-ART 3(2,4) Design in Advertising: PR: ART 2201C. Principles and techniques. Not open to art majors specializing in graphic design. Intended for visual arts education majors and general university elective. Occasional. M&S fee: $5.00

GRA 3100C CAH-ART 3(2,4) Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2202C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee: $15.00

GRA 3112C CAH-ART 3(2,4) Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2202C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee: $45.00

GRA 3113C CAH-ART 3(2,4) Type & Design: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Fall, Spring. M&S fee: $15.00


GRA 4119C CAH-ART 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. Occasional.

GRA 4154C CAH-ART 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3151C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee: $45.00

GRA 4196C CAH-ART 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2202C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 3151C or ART 3332C, and a satisfactory portfolio review, or C.I. Practical studio problems, with emphasis on organization of visual design elements.

Fall. M&S fee: $43.50

GRA 4197C CAH-ART 3(2,4) Special Problems in Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2202C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, and a satisfactory portfolio review, or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. Spring. M&S fee: $15.00

GRA 4802C CAH-ART 3(2,4) Advanced Computer Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2202C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review or C.I. Problems involving the use of advanced computer graphic systems for electronic publication. Odd Fall. M&S fee: $15.00

GRE 1100H CAH-LANG 4(4,0) Elementary Greek Language and Civilization I: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.


GRE 2220H CAH-LANG 4(4,0) Introduction to Greek Literature: PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato’s apology. May be repeated for credit. Occasional.

HAI 1120 CAH-LANG 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading, and writing. Occasional.


HBR 1120 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture I: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; Increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD 3(3,0) Intermediate Modern Hebrew II: PR: HBR 2200. Further development of Modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. C.I. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1350 RCHM-TEA 3(3,0) Career & Promotional Development in Golf: PR: HFT 3357. The developmental sequence of lifelong programs for juniors, women, and seniors, in the golf industry. Occasional.


HFT 2220 RCHM-HSP SERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.


HFT 2401 RCHM-HSP SERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSP SERV 3(3,0) Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.
HFT 3263  RCHM-HOS  3(3,0)
Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273  RCHM-HOS  3(3,0)
Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operation and ownership. Fall, Spring.

HFT 3285  RCHM-HOS  3(3,0)

HFT 3323  RCHM-HSP SERV  3(3,0)
Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353  RCHM-TEA  3(3,0)
Golf Planning & Operations I: PR: HFT 2359. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354  RCHM-TEA  3(3,0)
Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355  RCHM-TEA  3(3,0)

HFT 3357  RCHM-TEA  3(3,0)
Golf Event Operations: PR: HFT 3356; HFT 1000; HFT 2750. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3374  RCHM-TEA  3(3,0)
Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750; or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3384  RCHM-TEA  3(3,0)
Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431  RCHM-HSP SERV  3(3,0)
Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443  RCHM-TEA  3(3,0)
Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444  RCHM-HSP SERV  3(3,0)
Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512  RCHM-TEA  3(3,0)
Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515  RCHM-HOS  3(3,0)
Reservations Sales & Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517  RCHM-TEA  3(3,0)
Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3540  RCHM-HSP SERV  3(3,0)
Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574  RCHM-HOS  3(3,0)

HFT 3603  RCHM-HOS  3(3,0)

HFT 3610  RCHM-HOS  3(3,0)

HFT 3654  RCHM-HOS  3(3,0)
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.

HFT 3670  RCHM-TEA  3(3,0)
Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700  RCHM-TEA  3(3,0)
Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741  RCHM-TEA  3(3,0)
Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770  RCHM-TEA  3(3,0)
Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3784  RCHM-TEA  3(3,0)
Amusement Technology: PR: HFT 1000 HFT 4755. Exploration of various technologies utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. Spring.

HFT 3785  RCHM-TEA  3(3,0)
Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, industrial reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3792  RCHM-TEA  3(3,0)
Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

HFT 3798  RCHM-TEA  3(3,0)
Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3807  RCHM-HOS  3(3,0)
Multi-Unit Food Service Operations: PR: HFT 3263 and junior standing or C.I. The strategy and management aspects of multi-unit retail management, including organization development, brand building, and industry segments. Spring.

HFT 3834  RCHM-HSP SERV  3(3,0)
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.

HFT 3868  RCHM-HOS  3(3,0)
History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee: $45.00.

HFT 3933  RCHM-RCHM  1(1,0)
Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949  RCHM-TEA  0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4250C  RCHM-HOS  3(3,1)
Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253  RCHM-HOS  3(3,0)
Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Encodes conflicts between theory and practice in a real life hotel. Spring.

HFT 4255  RCHM-HOS  3(3,0)
Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266  RCHM-HOS  3(3,0)
Restaurant Brand Management: PR: HFT 3262 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268  RCHM-HOS  3(3,0)
Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodologies to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269  RCHM-HOS  3(3,0)
Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and food service operations. Occasional.
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HFT 4274  RCHM-HOS  3(3,0)
Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4522 or C.I. Comprehensive analysis of popular travel trends, strategies, principles, and techniques used in the management of vacation resorts. Occasional.

HFT 4275  RCHM-HOS  3(3,0)
Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4473 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277  RCHM-TEA  3(3,0)
Yacht, Country, And Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and Club facilities. Emphasis will be placed on operational aspects. Fall.

HFT 4281  RCHM-HOS  3(3,0)
Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284  RCHM-HOS  3(3,0)
Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4266; HFT 4268; HFT 4272; FSS 4341. Teaching and training methodologies relative to the service positions in a restaurant. Encourages training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286  RCHM-HSP SERV  3(3,0)
Hospitality Communications: PR: Hospitality Management Core or C.I. An in-depth study of the communication processes of the hospitality industry, including hands-on situation analysis. Occasional.

HFT 4295  RCHM-HSP SERV  3(3,0)
Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298  RCHM-HSP SERV  3(3,0)

HFT 4343  RCHM-HSP SERV  3(3,0)
Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

HFT 4358  RCHM-TEA  3(3,0)

HFT 4375  RCHM-TEA  3(3,0)
Advanced Trade Show Management: PR: HFT 4745 or C.I. Trade show installation, floor management and disman- tling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413  RCHM-HSP SERV  3(3,0)
Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425  RCHM-HSP SERV  3(3,0)

HFT 4432  RCHM-HSP SERV  3(3,0)

HFT 4444  RCHM-HOS  3(3,0)
Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522, HFT 4274 or C.I. Tactics and strategies necessary for owner exchange, information transmission, and financial reporting. Occasional.

HFT 4455  RCHM-HSP SERV  3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundaminets of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464  RCHM-HOS  3(3,0)
Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4473  RCHM-HSP SERV  3(3,0)
Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, finan- cial, and marketing aspects of analyses for hotel develop- ment projects. Occasional.

HFT 4522  RCHM-HOS  3(3,0)
Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and market- ing of vacation ownership properties. Occasional.

HFT 4532  RCHM-TEA  3(3,0)
Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior stand- ing or C.I. Review of methodological operation, communi- cation, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4561  RCHM-TEA  3(3,0)

HFT 4614  RCHM-TEA  3(3,0)
Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3803 or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4645  RCHM-HOS  3(3,0)
Restaurant Real Estate, Site Selection, and Modeling.: PR: Hospitality and Restaurant Management Cores or C.I. Examines the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722  RCHM-TEA  3(3,0)
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HFT 4795 RCHM-TEA 3(3,0)
Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0)
International Events: PR: HFT 1000 and HFT 2760; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA 3(3,0)
Catering Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee: $45.00

HFT 4844 RCHM-HOS 3(3,0)
Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1)
Beverage Management: PR: Minimum age of 21 of the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00

HFT 4864 RCHM-HOS 3(3,0)

HFT 4865 RCHM-HOS 3(3,0)
Advanced Wine Management: PR: HFT 4866 or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00

HFT 4866C RCHM-HOS 3(3,1)
Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0)
International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFT 4949 RCHM-RCHM 0.5-0(1,5)
Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0)
Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2)
Health Record Organization and Management: PR: HIM 3006. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4)
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3557 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C HPA-HMI 5(3,4)
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval. ICD-9-CM, DRGs, encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2)
Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval, CPT/HCPCS, ICDs, encoders. Fall.

HIM 4344C HPA-HMI 4(3,2)
Health Information Department Management: PR: HIM 3116C, HSA 4190 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4506C HPA-HMI 3(2,2)
Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HMI 3(2,2)
Health Information Management Systems: PR: HSA 4191 or C.I. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 4676 HPA-HMI 3(3,0)
Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C HPA-HP 3(1,4)
Professional Practice Experience II: PR: HIM 3006C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506C. Transcription; coding; quality improvement; risk management, human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838 HPA-HMI 5(0,15)
Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Record Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIS 3462 CAH-HIST 3(3,0)

HIS 3949 CAH-HIST 0(0,8)
Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.

HIS 4070 CAH-HIST 3(3,0)

HIS 4150 CAH-HIST 3(3,0)
History and Historians: PR: C.I. A study of European and American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.

HIS 4323 CAH-HIST 3(3,0)

HIS 4935 CAH-HIST 3(3,0)
Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944 CAH-HIST 3(3,0)
Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970 CAH-HIST 3(3,0)
Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consulta-

HIS 4970H CAH-HIST 3(3,0)
UNDERGRADUATE HONORS THESIS: Graded S/U or Letter grade. Occasional.

HIS 5067 CAH-HIST 3(3,0)
Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158 CAH-HIST 3(3,0)
Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-ERTL 3(3,0)

HLP 4722 ED-ERTL 1(1,0)
Teaching Elementary School Health and Physical Education: PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4618, MAE 4238, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0)
Issues & Trends in Public Health: PR: STA 2023 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall.

HSA 3111 HPA-HP 3(3,0)
U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H HPA-HP 3(3,0)

HSA 3170 HPA-HP 3(3,0)
Health Care Finance: PR: HSA 3111 or C.I., ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

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HSA 3222 HPA-HP 3(3,0)

HSA 3430 HPA-HP 3(3,0)
Health Care Economics: PR: HSA 3111, ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers; behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0)
Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H HPA-HP 3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. 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.

HSA 4184 HPA-HP 3(3,0)
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(3,0)
Health Care Automation: PR: HSA 3111; CGS 2100C, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4220 HPA-HP 3(3,0)

HSA 4502 HPA-HP 3(3,0)

HSA 4701 HPA-COM SC&DIS 6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and development of basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5198 HPA-HP 3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0)
IC9D Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258 HPA-HP 3(3,0)
CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. in health-related field. Emphasis on developing skills to facilitate an understanding of CPT coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C HPA-HPA 2(1,1)

HSC 2000 HPA-HP 2(2,0)
Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other professional. Graded S/U. Fall.

HSC 2100 HPA-HP 2(2,0)

HSC 2921 HPA-HPA 2(2,0)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110C HPA-HPA 3(2,2)
Medical Self Assessment: Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring. M&S fee: $15.00

HSC 3147 HPA-HP 3(3,0)
Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(3,0)
Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C HPA-HP 3(2,3)
CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3537 HPA-HP 3(3,0)
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SC&DIS 2(3,0)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(3,0)
Professional Development in Health Professions: PR: RET 3026C or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry. Spring.

HSC 4158 HPA-HP 2(2,0)
Medical Pharmacology I: Drugs in pulmonary diseases; effects on nervous system, and neuroeffectors, depressants & stimulants; influence on metabolism and endocrines. (MDRIV) Bronchodilators, mycotics, etc. Fall.

HSC 4159 HPA-HP 2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes isotropic, chronotropic agents, beta blocker drugs, calcium channel antago

HSC 4201 HPA-HP 3(3,0)
Community Health: PR: HSA 3111 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)

HSC 4500 HPA-HP 3(3,0)

HSC 4555 HPA-HP 3(3,0)

HSC 4564 HPA-HP 3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4652 HPA-HP 3(3,0)
Health Law and Ethics: PR: HSA 3111 or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall.

HSC 5317 ED-ERTL 3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.
UCF Courses and Descriptions

HSC 5595 HPA-HP 3(3,0)

HUM 2020 CAH-PHIL 3(3,0)
Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHIL 3(3,0)
Hindu Thought and Culture: A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 2210H CAH-PHIL 3(3,0)
Honors Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall. Spring.

HUM 2230 CAH-PHIL 3(3,0)
Hindu Thought and Culture: A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 2230H CAH-PHIL 3(3,0)
Honors Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 2352 CAH-PHIL 3(3,0)
Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 2355 CAH-PHIL 3(3,0)
Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

HUM 3230 CAH-PHIL 3(3,0)
Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3394 CAH-PHIL 3(3,0)
Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructionist, and determinant approaches to personal and social place and space. Occasional.

HUM 3401 CAH-PHIL 3(3,0)
Asian Humanities: PR: HUM 2230 or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3417 CAH-PHIL 3(3,0)
Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 3419 CAH-PHIL 3(3,0)
Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL 3(3,0)
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3431 CAH-PHIL 3(3,0)
Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL 3(3,0)
Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL 3(3,0)
Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHIL 3(3,0)
Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHIL 3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the major themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3800 CAH-PHIL 3(3,0)
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL 3(3,0)
The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL 3(3,0)
The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. Odd Spring.

HUM 4330 CAH-PHIL 3(3,0)
Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2111, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistics, performance, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL 3(1,0)
Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall. Spring.

HUM 4554 CAH-PHIL 3(3,0)
Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHIL 3(3,0)
Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2500, ARH 2501, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL 3(3,0)

HUM 4933 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL 3(3,0)
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL 3(3,0)
Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUM 2002 HPA-HP 3(3,0)
Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUN 3011 CON-NURS 3(3,0)
Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUN 3013 RCHM-HOS 3(3,0)

HUN 5247 HPA-HP 3(3,0)
Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

IDH 1920H BHC-HON 2(2,1)

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(2,1)
Honors Foundation of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

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IDH 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 3921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C COS-COMM 2(1.1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2041C COS-COS 2(1.1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, EGB 1091C, HSC 1931C, EGN 1058C, EDG 1005, or EDN 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 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 4302, GIS 3042C, GIS 4301C and PUP 3303, C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. 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 4334 UGST-INTERDIS 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&S fee: $17.00

IDS 4335 COS-SOC 3(3,0)

IDS 5127 COM&M&M 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

IDS 5145 ECS-IEMS 3(3,2)
Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.

IDS 5717C COS-PSYCH 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

IDS 5719 COS-PHYL 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-PHIIL 3(3,0)

IDS 5936 CAH-PHIIL 3(3,0)
Topics in Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathology, and behavioral capacities. Fall.

INP 3004 COS-PSYCH 3(3,0)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3004H COS-PSYCH 3(3,0)

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 educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951 COS-PHYL 3(3,0)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of IO psychology to local organizations. Occasional.

INP 4252 COS-PHYL 3(3,0)
Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: INP 3004. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, management behavior, and organization development. Occasional.

INP 4380 COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to computer-human 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. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0)

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 political causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0)

INR 4030H COS-POLS 3(3,0)

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/national 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: INR 2002 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 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.
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ISM 3521  BA-MIS  3(3,0)
Business Applications: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. Occasional.

ISM 3530  BA-MIS  3(3,0)
Quality & Productivity Management: PR: GEB 3031, MAN 3025. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and productivity management in manufacturing and service organizations. Fall, Spring.

ISM 4090  BA-MIS  3(3,0)

ISM 4113  BA-MIS  3(3,0)
Information Systems Analysis and Design: PR: ISM 3255, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114  BA-MIS  3(3,0)
Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client-server applications for business and use of modern development tools. Includes principles of multimedia application design and implementation. Occasional.

ISM 4130  BA-MIS  3(3,0)

ISM 4153C  BA-MIS  3(2,1)
Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154  BA-MIS  3(3,0)
Enterprise Application Development: PR: ISM 3011C. Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.

ISM 4212C  BA-MIS  4(3,2)
Database Design and Implementation: PR: ISM 3253, Open to MIS Majors and Minors and other appropriate majors. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220  BA-MIS  3(3,0)
Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications, Management and technical dimensions of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228  BA-MIS  3(3,0)
Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238  BA-MIS  3(3,0)
Business Programming (OOP): PR: ISM 3253, ISM 4212C, or C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300  BA-MIS  3(3,0)
Information Technology Management: PR: ISM 4212C. Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314  BA-MIS  3(3,0)
Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323  BA-MIS  3(3,0)
Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization’s IT infrastructure. Occasional.

ISM 4400  BA-MIS  3(3,0)
Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based quantitative models and decision support systems in organizations. Fall, Spring.

ISM 4431  BA-MIS  3(3,0)

ISM 4480  BA-MIS  3(3,0)

ISM 4941  BA-MIS  3(0,3)
Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021  BA-MIS  3(3,0)
Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123  BA-MIS  3(3,0)
Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127  BA-MIS  3(3,0)

ISM 5219  BA-MIS  3(3,0)

ISM 5256  BA-MIS  3(3,0)
Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming contracts, and database access. Occasional.

ISM 5315  BA-MIS  3(3,0)
Information Systems Project Management: PR: Gradicate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507  BA-MIS  3(3,0)

IT 5155  COS-COMM  3(3,0)

ITA 1120C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C  CAH-LANG  4(3,1)
Intermediate Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 2210  CAH-LANG  3(3,0)
Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240  CAH-LANG  3(3,0)
Italian Conversation: PR: ITA 201, or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

ITA 3420  CAH-LANG  3(3,0)
Italian Composition: PR: ITA 201, or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440  CAH-LANG  3(3,0)

ITA 3472  CAH-LANG  3(3,0)

ITA 3760  CAH-LANG  3(3,0)
Advanced Italian Oral Communication: PR: ITA 201 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820  CAH-LANG  3(3,0)

ITT 3443  CAH-LANG  3(3,0)
IT 3480 CAH-LANG 3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

IT 4956 CAH-LANG 3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

IT 4957H CAH-LANG 3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3000 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3010 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 2100C COS-COMM 3(3,1)
Nevis Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirements. News gathering and writing for the mass media. Fall, Spring. M&S fee: $15.00

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Journalism major or Magazine Writing minor, meet Grammar Proficiency standard, and a minimum grade of "C" (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring. M&S fee: $15.00

JOU 3004 COS-COMM 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media role in the nation's history. Fall, Spring.

JOU 3101 COS-COMM 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Writing minor, meet Grammar Proficiency standard, and a minimum grade of "C" (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring. M&S fee: $15.00

JOU 3130 COS-COMM 3(3,0)
In-Depth Reporting: PR: STA 1060 or MAC 1105, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. Occasional.

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Occasional.

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring. M&S fee: $15.00

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Writing minor, a minimum grade of "C" (2.0) in JOU 3201, and a minimum grade of "C" (2.0) in JOU 2100C. Practical aspects of editing. Principles of design, practice in editing and layout. Fall, Spring. M&S fee: $15.00

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Covering sports for the print media; issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Writing minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Spring.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in both JOU 2100C and JOU 3184C. Reporting on city, county and state government. Fall, Spring. M&S fee: $15.00

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Fall, Spring.

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Writing minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Writing minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4300C COS-COMM 3(1,3)
On-line Journalism I: PR: PUR 3100, or a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional. M&S fee: $15.00

JOU 4301C COS-COMM 3(1,3)
On-line Journalism II: PR: JOU 4300C. Study, design, and development of on-line journalism materials. Occasional. M&S fee: $15.00

JOU 4342C COS-COMM 3(2,1)

JOU 4700 COS-COMM 3(3,0)

JPN 2201 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0)

JPN 3760 CAH-LANG 3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversations Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3010 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)
Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship, the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

UCF Courses and Descriptions
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.

LAT 1121 CAH-LANG 4(4,1)
Elementary Latin Language and Civilization II: PR: LAT 1120 or equivalent. Continuation of LAT 1120C. Spring.

LAT 1121H CAH-LANG 4(4,1)
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LDR 2001 UGST-INTERDISC 2(2,0)
Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

LDR 2002 UGST-INTERDISC 2(2,0)

LIN 3010 CAH-ENG 3(3,0)

LIN 3716 HPA-COM SC&DIS 3(3,0)
Language Development: Birth Through 8 Years: PR: DEP 2004. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 3717 HPA-COM SC&DIS 3(3,0)
Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 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.I. and ENC 3010 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)
Language and Literature I: 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)

LIN 4803 CAH-ENG 3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2100 CAH-ENG 3(3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, 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 Modern, 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, plus honors-level content. Occasional.

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1800: 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; taught in English. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0)

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3381 CAH-ENG 3(3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0)
Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3482 CAH-ENG 3(3,0)

LIT 3823 CAH-ENG 3(3,0)
Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3905 CAH-ENG 3(3,0)
Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3911H CAH-ENG 1(1,0)
LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0) Literature of Science and Technology: PR: ENG 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4937H CAH-ENG 3(3,0) English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(3,0) Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(3,0) Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.

LIT 5309 CAH-ENG 3(3,0) Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG 3(3,0) The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American and Continental literature from 1798 to 1832. Occasional.

LIT 5387 CAH-ENG 3(3,0) Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 18th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0) Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories." Occasional.


MAA 4227 COS-MATH 3(3,0) Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 5210 COS-MATH 4(4,0) Topics in Advanced Calculus: PR: MAA 4226 or equivalent, graduate status or senior standing, or C.I. Topics in multivariable calculus, including limits, continuity, integration, differentiation, Taylor's theorem, inverse and implicit function theorems. Fall.

MAC 1105 COS-MATH 3(3,0) College Algebra: PR: Intermediate algebra or 2 years of high school algebra or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations, matrices, determinants, induction. This course prepares students for higher-level mathematics courses. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, systems of equations and systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

MAC 1114 COS-MATH 3(3,0) College Trigonometry: PR: MAC 1105 or 2 years of high school algebra or C.I. The circle, its properties and graphs, trigonometric functions, identities, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140 COS-MATH 3(3,0) Pre-Calculus Algebra: PR: Math placement test, or 2 years of high school algebra, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, induction, binomial theorem. Preparers students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH 3(3,0) Honors Pre-Calculus Algebra: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, and logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH 5(5,0) Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical background who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0) Concepts of Calculus: PR: MAC 1140 or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2241 COS-MATH 4(4,0) Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0) Applied Calculus I: PR: MAC 1105 and MAC 1114 or C.I. Differential and integral calculus. An introduction to differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to Summer 2008) and MAC 1114 (or equivalent) 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. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to summer 2008) and MAC 1114 (or equivalent) 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. The "NC" grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0) Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: MAC 2312 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 Stokes' Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III (Honors): PR: 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 Stokes' Theorem. With Honors content. Spring.
MAC 3103H 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.

MAC 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.

MAC 4203 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.

MAC 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 number. Spring.

MAC 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAC 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-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TLP 3(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.

MAE 4360 ED-TLP 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 5318 ED-TLP 3(3,0) Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement; instructional materials. Meets Elementary Education certification requirements. Fall, Spring.

MAE 5327 ED-TLP 3(3,0) Teaching Middle School Mathematics: PR: EDG 4236 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESL, and manipulatives is considered. Occasional.

MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 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 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2031, ECO 2033 and ACG 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 complete, 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 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and ISM 3530. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-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, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environments. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3001. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3002 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.
### Marketing Analysis and Research
- **Course Code:** MAR 3613
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor
- **Description:** Advanced study of marketing research methods and decision making. Includes forecasting, data analysis, and acquisition of primary data through market research. May be repeated for credit only when course content changes.

### Marketing Intelligence
- **Course Code:** MAR 3641
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Advanced study of marketing intelligence techniques and applications of information concerning external forces impacting market decision making.

### E-Marketing
- **Course Code:** MAR 3721
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Advanced study of the role of the internet in developing marketing strategies and plans. Occasional.

### International Marketing
- **Course Code:** MAR 4156
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Advanced study of international marketing decision-making.

### Retailing Management
- **Course Code:** MAR 4231
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Advanced study of retailing management.

### Strategic Issues in Sales
- **Course Code:** MAR 4800
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Strategic issues in sales management.

### Marketing Management
- **Course Code:** MAR 4803
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Marketing management.

### Marketing Strategy
- **Course Code:** MAR 4804
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Marketing strategy.

### Marketing Internship
- **Course Code:** MAR 4941
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Marketing internship.

### Advanced Professional Selling
- **Course Code:** MAR 4413C
- **Credit Hours:** 2(3,0)
- **Prerequisites:** MAR 3023, MAR 4415C, common program prerequisites, approved Major or minor, and department consent.
- **Description:** Advanced study of contemporary strategies in selling and sales management.

### Advanced Professional Selling
- **Course Code:** MAR 4415C
- **Credit Hours:** 2(3,0)
- **Prerequisites:** MAR 3023 and common program prerequisites and appropriate Major or Minor.
- **Description:** Advanced study of the professional selling process, including team selling, negotiation, customer conflict management, and CRM systems.

### Sport Marketing
- **Course Code:** MAR 4711
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Study of marketing as it applies to the sports and leisure industry.

### Healthcare Marketing
- **Course Code:** MAR 4712
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Study of marketing as it applies to healthcare industries.

### Entertainment Marketing
- **Course Code:** MAR 4715
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor.
- **Description:** Application of marketing theory to the tools of marketing and products and services in the entertainment industry.

### Abstract Algebra II
- **Course Code:** MAS 4302
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAS 4301 or C.I.
- **Description:** Advanced topics in abstract algebra, including ring theory and field theory.

### Topics in Algebra and Discrete Mathematics
- **Course Code:** MAS 4934
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAS 3106, MAS 4031, and MAD 4203 or MAD 4501, or C.I.
- **Description:** Advanced topics in abstract algebra and discrete mathematics.

### Abstract Linear Algebra and Matrix Theory
- **Course Code:** MAS 5145
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAS 3105, and graduate status or senior standing or C.I. and L.U. and L.S.U. decompositions, linear spaces, inner product spaces, systems of linear equations, eigenvalues, and canonical forms.

### Scientific Computing
- **Course Code:** MAT 5711
- **Credit Hours:** 3(3,0)
- **Prerequisites:** MAC 2313, MAP 2302, graduate status or senior standing, or C.I.
- **Description:** Basic programming skills using Mathematica, Maple, Mathlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms.
UCF Courses and Descriptions

MCB 3404 COM-M&M 3(3,0)  
Bacterial Genetics and Physiology: PR: MCB 3020C. Basic principles of microbial genetic analysis and emphasis on how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCB 3522H COM-M&M 3(3,0)  

MCB 4114C COM-M&M 4(3,3)  

MCB 4203 COM-M&M 3(3,0)  
Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. Fall.

MCB 4204 COM-M&M 3(3,0)  
Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cellular biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0)  
Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM-M&M 3(3,0)  
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4414 COM-M&M 3(3,0)  

MCB 4503C COM-M&M 3(3,0)  

MCB 4603 COM-M&M 3(3,0)  
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4720 COM-M&M 3(3,0)  
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MCB 4721C COM-M&M 4(2,4)  
Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee: $45.00

MCB 5205 COM-M&M 3(3,0)  
Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-M&M 3(3,0)  
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 5225 COM-M&M 3(3,0)  

MCB 5505 COM-M&M 3(3,0)  
Molecular Virology: PR: Graduate standing or C.I. Analysis of recent advances in molecular virology, including HIV, tumor viruses, Prion disease, virus-host interactions, genome replication, and pathogenesis. Occasional.

MCB 5527 COM-M&M 3(3,0)  
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, plans, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in-depth. Fall.

MCB 5654 COM-M&M 3(3,0)  
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-M&M 4(2,4)  
Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional.

MCB 5932 COM-M&M 3(3,0)  
Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0)  
The Earth's Climate: History, physics and dynamics of the Earth's climate. Odd Spring.

MGF 1106 COS-MATH 3(3,0)  
Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall. Spring.

MGF 1107 COS-MATH 3(3,0)  
Explorations in Mathematics: PR: Intermediate algebra or 2 years of high school algebra. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. For students not intending to take higher mathematics. Fall. Spring.

MGF 3302 COS-MATH 3(3,0)  

MHS 2330 ED-CFC 3(3,0)  
Career Planning: PR: Admission to the professional phase of the MLS program. Analysis of clinical paths in pharmacy, fungi and viruses and their correlation to disease. Spring. M&S fee: $45.00

MHS 2441 ED-CFC 3(3,0)  
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-CFC 3(3,0)  
Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,0)  
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Principles of microscopic methods of interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 3305 COM-M&M 3(3,0)  
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L COM-M&M 1(0,6)  
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-M&M 3(3,0)  
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 COM-M&M 3(3,0)  
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C COM-M&M 1(1,2)  
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C COM-M&M 2(1,3)  
Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Principles of diagnostic laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C COM-M&M 5(3,6)  
Clinical Pathogenic Microbiology: PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi and viruses and their correlation to disease. Spring. M&S fee: $45.00

MLS 4505C COM-M&M 3(3,0)  

MLS 4550 COM-M&M 4(2,6)  
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $45.00
MLS 4625  COM&M  3(3,0)
Advanced Clinical Chemistry: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L  COM&M  1(0,3)
Advanced Clinical Chem Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00

MLS 4630  COM&M  3(3,0)
Advanced Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4630L  COM&M  1(0,3)

MLS 4830C  COM&M  4(4,8)
Interpretive & Practical Clinical: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. Fall. M&S fee: $15.00

MLS 4831C  COM&M  4(4,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00

MLS 4832C  COM&M  4(4,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee: $15.00

ML 4833C  COM&M  4(4,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4605C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00

MLS 4834C  COM&M  4(4,8)
Advanced Instrumentation: PR: Admission to the MLS program, MLS 4630C. An examination & 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  1(1,0)
Introduction to Clinical Research: PR: MLS 3202C, MLS 4625, MLS 4650. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4933  COM&M  2(2,0)

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 2010 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 major. Theory and methods of research used by media professionals and academics, focusing on radio / TV 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)
ADPR campaigns: PR: ADPR majors only and ADV 3008, PUR 4001, PUR 3100 or ADV 4101, PUR 4941 or ADV 4941. 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: A minimum grade of "C" (2.0) in JOU 2100C. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Even Spring.

MSL 1001C  ECS-AROTC  2(1,1)
Foundations of Officership: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MSL 1002C  ECS-AROTC  2(1,1)
Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MSL 2101C  ECS-AROTC  2(1,1)
Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MSL 2102C  ECS-AROTC  2(1,1)
Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MSL 3201C  ECS-AROTC  4(3,1)
Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MSL 3502C  ECS-AROTC  4(3,1)
Leadership and Ethics: PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadre leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MTG 4212  COS-MATH  4(4,0)
Modern Geometries: PR: MAC 2311 and MTH 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4302  COS-MATH  3(3,0)
Introduction to Topology: PR: MTH 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 5256  COS-MATH  3(3,0)
Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C  CAH-MUSIC  2(1,1)
Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C  CAH-MUSIC  2(1,1)
Composition II: PR: MUC 2101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C  CAH-MUSIC  3(1,1)
Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 3311  CAH-MUSIC  3(2,2)
MIDI Sequencing: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83

MUC 4106C  CAH-MUSIC  4(1,1)
Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4441  CAH-MUSIC  3(3,0)
MIDI Sequencing II: PR: MUC 3311, Junior standing, and C.I. Continuation of sequencing, sampling, and inactive digital music technology. Spring. M&S fee: $15.83

MUC 4950  CAH-MUSIC  0(0,0)
Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition I-V. Graded SU. Odd Fall.

MUC 5112  CAH-MUSIC  2(1,0)
Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445  CAH-MUSIC  3(3,0)
Electroacoustic Music: Composition: PR: MUC 3306C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.
UCF Courses and Descriptions

MUE 2040 CAH-MUSIC 2(2,0)
Introduction to Music Education: PR: None. An intro-
duction to music education covering philosophy, history, and
current practice and trends. Observation in schools
required. Fall.

MUE 2211 ED-CFCS 3(3,0)
Early Childhood Music and Movement: An examination of
the role of music and creative movement in the lives of young
children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2)
Vocal Techniques: PR: Music major or C.I. Vocal function,
anatomy, and pedagogical methodology with applications
for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2)
String Techniques: PR: MUED major, junior standing or C.I.
Class instruction in string playing and pedagogical
practices. Spring. M&S fee: $30.00

MUE 2450 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUED major, Junior
standing or C.I. Class instruction in woodwind playing and
pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2)
Brass Techniques: PR: MUED major, junior standing or C.I.
Class instruction in brass playing and pedagogical
techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2)
Percussion Techniques: PR: MUED major, junior standing
or C.I. Class instruction in percussion playing and pedagogical
practices. May be repeated for credit. Spring. M&S fee: $35.00

MUE 2471 CAH-MUSIC 1(1,1)
Percussion Techniques II: PR: MUE 2470 or C.I.
Additional performing and teaching techniques of the per-
cussion family, as relevant to today's instrumental music
teachers. Odd Spring. M&S fee: $35.00

MUE 3210 ED-TLP 1(0,0)
Music in the Elementary School: PR: EDF 2005; CR:
ARE 4313, HLP 4712, RED 4519, MAE 4326, and EDE
3942. Fundamental procedures for teaching elementary
school music, stressing appropriate music materials and
activities for different age groups; selected experience in
music. Fall, Spring.

MUE 3333 CAH-MUSIC 3(3,0)
Learning theory and practical applications of assess-
ment techniques as applied in the music classroom. Spring.

MUE 3353 CAH-MUSIC 2(2,0)
General Music Literature and Techniques: PR: MUE
2040. Diverse literature and techniques for the general
music classroom. Odd Spring.

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUE 2450, MUED
major, Junior standing or C.I. Continuation of Woodwind
Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study of
performance techniques, teaching skills, resources, and
materials required to teach brass instruments to beginning,
middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(1,0)
Aural Skills Techniques: PR: MUT 2127. Teaching tech-
niques for teaching audiation, sight singing, harmony,
beginning vocal harmonization and improvisation. Odd Spring.

MUE 3693 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 2040 or C.I.
Productivity software, classroom management tools, web
design and other technological tools for classroom teach-
ing. Odd Spring.

MUE 3942 CAH-MUSIC 3(3,0)
Music Education I: PR: MUE 4311, MUE 3940, EDG
4410, TSL 4080, EDF 4603 and RED 4043. Students expe-
rience 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 instruc-
tion for comprehensive music education, K-6; instruc-
tional planning, techniques, and materials for elementary
music education. Fall.

MUE 4330 ED-TLP 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; con-
sideration of general music education program, evaluation
materials and procedures. Spring.

MUE 4331 CAH-MUSIC 3(3,0)
Secondary Choral Methods I: PR: MUE 4040 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 Instructional Methods I: PR: MUE 4040.
Wind, percussion, and string teaching methods for begin-
ing and middle level students in a large classroom setting.
Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0)
Secondary Choral Methods II: PR: MUE 4331. Continued
examination of vocal and choral literature, planning skills
and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0)
Secondary Instructional Methods II: PR: MUE 4332.
Wind and percussion teaching methods for high school
students in a large classroom setting. Odd Spring.

MUE 4339 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040
or C.I. Consideration of the general education music cur-
iculum in regards to students with disabilities and special
needs. Odd Fall.

MUE 4349 CAH-MUSIC 1(1,0)
Seminar in Music Teaching: PR: Internship I; CR: ESE
4943. Content and strategies for classroom management
and exceptional education for music teachers. Odd Spring.

MUE 4441 CAH-MUSIC 3(3,0)
String Methods: PR: MUE 4332. String teaching methods
for high school students in a large classroom setting. Odd Spring.

MUE 4480C CAH-MUSIC 1(1,1)
Marching Band Techniques: PR: MUT 1122 and C.I.
Principles of organizing and training marching bands;
Planning, charting football shows, rehearsal problems;
Guided observations. May be repeated for credit. Fall.

MUE 4481 CAH-MUSIC 1(1,0)
Jazz Pedagogy: PR: Music major, MUT 1122 and C.I.
Methods, materials, and resources for teaching jazz
ensembles and improvisation at the secondary school level.
Occasional.

MUE 4943 CAH-MUSIC 12(12,0)
Music Internship II: PR: MUE 3942. Student Teaching in
an elementary or secondary school under supervision of a
certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0)
K-12 Music Methods: PR: Graduate standing in Music
Education or C.I. Organization and administration of instruc-
tion for comprehensive music education, K-12. Instructional
planning, techniques, and materials for general, choral,
and instrumental music education. Spring.

MUE 5992 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or
C.I. Variable topics in Music Education to offer hands-on
instruction in a workshop format. May be used in the degree
program a maximum of 4 times only when course content is
different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental
principles and practice in conducting. Fall.

MUG 3202 CAH-MUSIC 2(1,1)
Choral Conducting and Materials: PR: MUG 3104.
Fundamental principles of choral conducting and rehearsal
techniques including an examination of materials. Even
Spring.

MUG 3302 CAH-MUSIC 2(1,1)
Fundamental principles of instrumental conducting and
rehearsal techniques including an examination of materi-
als. Spring.

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.

MUM 2017 CAH-MUSIC 3(3,0)
Survey of Rock Music: Rise of rock music to prominence,
and its impact on audience reception. No musical back-
ground required. Fall, Spring.

MUM 2017H CAH-MUSIC 3(3,0)
Rock music, 1950s to present, with emphasis on cultural
and musical meaning. With Honors content. Even Fall.

MUM 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.

MUM 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR:
MUT 1122 or C.I. An introduction to different musical cul-
tures including West African, Caribbean, South American,
and Asian. Occasional.

MUM 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUT 1122. History of
Western European art music from Antiquity to 1750. Fall.
MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUT 1122. History of Western European and American art music from 1750 to present day. Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1800. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of C+ or higher or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Fall.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUT 3171 and MUL 316, 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 or C.I. Western Music of the 18th Century. Odd Fall.

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 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: PR: Non-music majors only. Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUT 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 2(1,1)
Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1)

MUL 3433 CAH-MUSIC 2(2,0)
Percussion Literature: PR: Music major (Percussion). Study and techniques to teach percussion instruments. Odd Fall.

MUL 3602 CAH-MUSIC 3(3,0)
Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 3603 CAH-MUSIC 1(1,1)

MUL 3604 CAH-MUSIC 1(1,1)
German Song Literature: PR: Music major or C.I. Survey of German song literature. Odd Spring.

MUL 3605 CAH-MUSIC 1(1,1)
French Song Literature: PR: Music major or C.I. Survey of French song literature. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0)

MUL 4438 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MUS 2928 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0)

MUL 4444 CAH-MUSIC 3(3,0)

MUL 5215 CAH-MUSIC 3(3,0)

MUL 5436 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUM 5806 CAH-MUSIC 3(3,0)
Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOS), examining the fundamental elements of administration, audience development, marketing, and fund-raising. 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: $20.00

MUN 3113 CAH-MUSIC 2(0,8)
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 3263 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)
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 5313 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)
Wind Ensemble: PR: C.I. 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 5333 CAH-MUSIC 1(3,0)
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 5334 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 5343 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 5430 CAH-MUSIC 1(1,0)
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 3443 CAH-MUSIC 1(0,2)  
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for groups of four 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 the percussion 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. Odd Spring. M&S fee: $20.00

MUN 3713 CAH-MUSIC 1(0,4)  
Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3714 CAH-MUSIC 1(0,2)  
Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3723 CAH-MUSIC 1(0,3)  
Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1)  
Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 4476 CAH-MUSIC 1(0,2)  
Early Music Ensemble: PR: 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. 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 5145 CAH-MUSIC 1(0,4)  
Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5215 CAH-MUSIC 1(0,5)  
Symphony Orchestra: PR: Open to all graduate students by audition. 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

MUN 5445 CAH-MUSIC 1(0,2)  
Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $35.00

MUN 5465L CAH-MUSIC 1(0,2)  
Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5478L CAH-MUSIC 1(0,3)  
Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $5.00

MUN 5715L CAH-MUSIC 1(0,4)  
Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee: $20.00

MUN 5716L CAH-MUSIC 1(0,2)  
Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee: $20.00

MUN 5201C CAH-MUSIC 2(1,1)  
Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUN 3503 CAH-MUSIC 1(0,3)  
Opera Workshop: PR: C.I. and Junior standing. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $45.00

MUN 5505L CAH-MUSIC 1(0,3)  
Graduate Opera Workshop: PR: C.I. and audition. Study of a major opera, the operatic style and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $45.00

MUS 1010 CAH-MUSIC 0(9,2)  
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC 1(2,0)  
IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.

MUS 1952C CAH-MUSIC 3(3,0)  
Music Business and Industry: PR: MUS 2303C or C.I. Today's music industry copyright, publishing, contracts and licensing. Odd Spring.

MUS 3254 CAH-MUSIC 2(2,0)  

MUS 3255 CAH-MUSIC 2(2,0)  
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 0(1,0)  
Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0)  
Music Business and Industry: PR: MUS 2303C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Spring.

MUS 4430 CAH-MUSIC 2(1,1)  

MUS 4900 CAH-MUSIC 3(3,0)  
Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4)  
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0)  
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0)  
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0)  
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1002 CAH-MUSIC 3(3,0)  

MUT 1004 CAH-MUSIC 3(3,0)  
Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC 4(2,3)  
Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3)  
Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.
MUT 2126 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Fall.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicianship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0)
Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3,0)
Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(0,3)
Jazz Workshop: PR: MUT 3211 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1,0)
Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0)

MUT 4401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0)
Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1)

MVB 1212 CAH-MUSIC 1(0,1)

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)
Baritone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Baritone II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2(3,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2(3,1)
French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2(3,1)
Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2(3,1)
Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2(3,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 4(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 4(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 4(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

MVK 1411 CAH-MUSIC 1(0,2)
Class Piano I: PR: Music Major, MVK 2122 or C.I.
Continuation of MVK 2121. Music majors only, not open
to music majors whose major instrument is piano. Fall,
Spring.

MVK 2122 CAH-MUSIC 2(1,1)
Class Piano IV: PR: Music major, MVK 3411 and competence
determined by faculty jury. Continuation of MVK 2121. May be repeated for
credit. Fall, Spring.

MVK 3411 CAH-MUSIC 2-3(1,1)
Piano III: PR: MVK 2421 and competence determined by
faculty jury. Intensive advanced performance study of
the piano, for performance majors. May be used in the degree
program a maximum of 3 times. Fall, Spring.

MVK 4441 CAH-MUSIC 4(1,1)
Piano IV: PR: MVK 3411 and competence determined by
faculty jury. Intensive advanced performance study of
the piano, for performance majors. May be used in the degree
program a maximum of 3 times. Fall, Spring.

MVK 4640 CAH-MUSIC 1(1,0)
Piano Pedagogy I: PR: C.I. Continuation of MVK 4640.
Emphasis on intermediate through advanced levels.
May be repeated for credit. Odd Fall.

MVK 4960 CAH-MUSIC 0(1,0)
Piano Pedagogy II: PR: C.I. Continuation of MVK 4960.
Emphasis on piano repertoire. May be repeated for credit.
Even Fall.

MVO 1214 CAH-MUSIC 1(0,1)
Secondary Recorder: PR: Consent of Music Chair. CR:
Performing ensemble. Advanced instruction in recorder.
Intended for non-music majors. May be repeated for credit.
Occasional.

MVO 5250 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status
or senior standing, and C.I. Advanced instructional tech-
niques on a secondary instrument or in voice. May be repeated for credit.
Occasional.

MVP 1211 CAH-MUSIC 1(0,1)
Secondary Percussion: PR: Consent of Music Chair. CR:
Performing ensemble. Advanced instruction in percussion
Intended for non-music majors. May be repeated for credit.
Occasional. M&S fee: $35.00

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chair;
audition. May be repeated for credit. Fall, Spring.

MVP 1800 CAH-MUSIC 2(0,0)
Keyboard Class I: Keyboard training for non-Music stu-
dents with no prior keyboard training. Fall, Spring.

MVP 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I.
Continuation of MVK 1112. Music majors only; not open
to music majors whose major instrument is piano. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVK 1112 and competence determined by
faculty jury. Continuation of MVP 2121. May be repeated for
credit. Fall, Spring. M&S fee: $35.00
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MVP 3431</td>
<td>CAH-MUSIC</td>
<td>Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&amp;S fee: $35.00</td>
<td>2(1,1)</td>
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<tr>
<td>MVP 3630</td>
<td>CAH-MUSIC</td>
<td>Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.</td>
<td>2(2.0)</td>
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</tr>
<tr>
<td>MVP 4441</td>
<td>CAH-MUSIC</td>
<td>Performing ensemble. Advanced instruction in guitar. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVP 5451</td>
<td>CAH-MUSIC</td>
<td>Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 1211</td>
<td>CAH-MUSIC</td>
<td>Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
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<tr>
<td>MVS 1212</td>
<td>CAH-MUSIC</td>
<td>Secondary Viola: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
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<tr>
<td>MVS 1214</td>
<td>CAH-MUSIC</td>
<td>Secondary Bass: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
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<tr>
<td>MVS 1216</td>
<td>CAH-MUSIC</td>
<td>Secondary Guitar: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1411</td>
<td>CAH-MUSIC</td>
<td>Violin I: PR: Major in music or consent of chair. audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1412</td>
<td>CAH-MUSIC</td>
<td>Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1413</td>
<td>CAH-MUSIC</td>
<td>Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1414</td>
<td>CAH-MUSIC</td>
<td>Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1415</td>
<td>CAH-MUSIC</td>
<td>Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 1416</td>
<td>CAH-MUSIC</td>
<td>Guitar I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2421</td>
<td>CAH-MUSIC</td>
<td>Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2422</td>
<td>CAH-MUSIC</td>
<td>Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2423</td>
<td>CAH-MUSIC</td>
<td>Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2424</td>
<td>CAH-MUSIC</td>
<td>Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2425</td>
<td>CAH-MUSIC</td>
<td>Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 2426</td>
<td>CAH-MUSIC</td>
<td>Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3431</td>
<td>CAH-MUSIC</td>
<td>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.</td>
<td>2(2.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3432</td>
<td>CAH-MUSIC</td>
<td>Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>2(2.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3433</td>
<td>CAH-MUSIC</td>
<td>Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>2(3.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3434</td>
<td>CAH-MUSIC</td>
<td>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.</td>
<td>2(3.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3435</td>
<td>CAH-MUSIC</td>
<td>Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>2(3.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 3436</td>
<td>CAH-MUSIC</td>
<td>Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>2(3.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 4441</td>
<td>CAH-MUSIC</td>
<td>Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 4442</td>
<td>CAH-MUSIC</td>
<td>Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 4443</td>
<td>CAH-MUSIC</td>
<td>Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 4444</td>
<td>CAH-MUSIC</td>
<td>Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 4445</td>
<td>CAH-MUSIC</td>
<td>Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
<td>4(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVS 5451</td>
<td>CAH-MUSIC</td>
<td>Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 5452</td>
<td>CAH-MUSIC</td>
<td>Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 5453</td>
<td>CAH-MUSIC</td>
<td>Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 5454</td>
<td>CAH-MUSIC</td>
<td>Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 5455</td>
<td>CAH-MUSIC</td>
<td>Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVS 5456</td>
<td>CAH-MUSIC</td>
<td>Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
<td>2(1.0)</td>
<td></td>
</tr>
<tr>
<td>MVP 1111</td>
<td>CAH-MUSIC</td>
<td>Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
<td></td>
</tr>
<tr>
<td>MVP 1411</td>
<td>CAH-MUSIC</td>
<td>Voice I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
<tr>
<td>MVP 1873</td>
<td>CAH-MUSIC</td>
<td>Secondary Voice: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
<td>1(0.1)</td>
<td></td>
</tr>
<tr>
<td>MVP 2421</td>
<td>CAH-MUSIC</td>
<td>Voice II: PR: MVV 1411 and competence determined by faculty jury. Continuation of MVV 1411. May be repeated for credit. Fall, Spring.</td>
<td>2(1.1)</td>
<td></td>
</tr>
</tbody>
</table>
May be repeated for credit.

**Saxophone I:**

- MVW 1415 CAH-MUSIC 2(1,1)
- Voice: PR: MVW 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.

**Bassoon I:**

- May be repeated for credit.

**Flute I:**

- Fall, Spring.
- Performing ensemble. Advanced instruction in flute. Fall, Spring.

**Secondary Bassoon:**

- MVW 1214 CAH-MUSIC 1(0,1)

**Bassoon II:**

- MVW 1215 CAH-MUSIC 1(0,1)

**Clarinet III:**

- MVW 2425 CAH-MUSIC 2(1,1)
- Flute III: PR: MVW 2422 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.

**Clarinet IV:**

- MVW 2427 CAH-MUSIC 2(1,1)
- Flute IV: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**Flute V:**

- Fall, Spring.
- Advanced instruction in flute. Fall, Spring.
- M&S fee: $20.00

**Saxophone IV:**

- MVW 2429 CAH-MUSIC 2(1,1)
- Bassoon IV: PR: MVW 1414 and competence determined by faculty jury. Continued study of performance skills of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**Saxophone V:**

- MVW 2431 CAH-MUSIC 2(1,1)
- Bassoon V: PR: MVW 1414 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.

**Clarinet V:**

- MVW 2433 CAH-MUSIC 2(1,1)
- Bassoon V: PR: MVW 1412 and competence determined by faculty jury. Continued study of performance skills of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**Oboe III:**

- MVW 2432 CAH-MUSIC 2(3,1)
- Flute III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**Saxophone IV:**

- MVW 2435 CAH-MUSIC 2(3,1)
- Flute IV: PR: MVW 2422 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.

**Violin I:**

- MVW 3431 CAH-MUSIC 2-3(1,1)

**Violin II:**

- MVW 3432 CAH-MUSIC 2-3(1,1)

**Violin III:**

- MVW 3433 CAH-MUSIC 2-3(1,1)

**Violin IV:**

- MVW 3434 CAH-MUSIC 2-3(1,1)

**Violin V:**

- MVW 3435 CAH-MUSIC 2-3(1,1)

**Viola I:**

- MVW 3436 CAH-MUSIC 2-3(1,1)

**Viola II:**

- MVW 3437 CAH-MUSIC 2-3(1,1)

**Viola III:**

- MVW 3438 CAH-MUSIC 2-3(1,1)

**Viola IV:**

- MVW 3439 CAH-MUSIC 2-3(1,1)

**Viola V:**

- MVW 3440 CAH-MUSIC 2-3(1,1)

**Cello I:**

- MVW 3441 CAH-MUSIC 2-3(1,1)

**Cello II:**

- MVW 3442 CAH-MUSIC 2-3(1,1)

**Cello III:**

- MVW 3443 CAH-MUSIC 2-3(1,1)

**Cello IV:**

- MVW 3444 CAH-MUSIC 2-3(1,1)

**Cello V:**

- MVW 3445 CAH-MUSIC 2-3(1,1)

**Bass I:**

- MVW 3446 CAH-MUSIC 2-3(1,1)

**Bass II:**

- MVW 3447 CAH-MUSIC 2-3(1,1)

**Bass III:**

- MVW 3448 CAH-MUSIC 2-3(1,1)

**Bass IV:**

- MVW 3449 CAH-MUSIC 2-3(1,1)

**Bass V:**

- MVW 3450 CAH-MUSIC 2-3(1,1)

**Double Bass:**

- MVW 3451 CAH-MUSIC 2-3(1,1)

**Mandolin:**

- MVW 3452 CAH-MUSIC 2-3(1,1)

**Mandolin II:**

- MVW 3453 CAH-MUSIC 2-3(1,1)

**Drums:**

- MVW 3454 CAH-MUSIC 2-3(1,1)

**Trombone:**

- MVW 3455 CAH-MUSIC 2-3(1,1)

**Tuba:**

- MVW 3456 CAH-MUSIC 2-3(1,1)

**Mandolin III:**

- MVW 3457 CAH-MUSIC 2-3(1,1)

**Mandolin IV:**

- MVW 3458 CAH-MUSIC 2-3(1,1)

**Mandolin V:**

- MVW 3459 CAH-MUSIC 2-3(1,1)

**Tuba II:**

- MVW 3460 CAH-MUSIC 2-3(1,1)

**Tuba III:**

- MVW 3461 CAH-MUSIC 2-3(1,1)

**Tuba IV:**

- MVW 3462 CAH-MUSIC 2-3(1,1)

**Tuba V:**

- MVW 3463 CAH-MUSIC 2-3(1,1)

**Cajon:**

- MVW 3464 CAH-MUSIC 2-3(1,1)

**Cajon II:**

- MVW 3465 CAH-MUSIC 2-3(1,1)

**Cajon III:**

- MVW 3466 CAH-MUSIC 2-3(1,1)

**Cajon IV:**

- MVW 3467 CAH-MUSIC 2-3(1,1)

**Cajon V:**

- MVW 3468 CAH-MUSIC 2-3(1,1)

**Banjo:**

- MVW 3469 CAH-MUSIC 2-3(1,1)

**Banjo II:**

- MVW 3470 CAH-MUSIC 2-3(1,1)

**Banjo III:**

- MVW 3471 CAH-MUSIC 2-3(1,1)

**Banjo IV:**

- MVW 3472 CAH-MUSIC 2-3(1,1)

**Banjo V:**

- MVW 3473 CAH-MUSIC 2-3(1,1)
NUR 5720 CON-NURS 3(3,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NUR 5745 CON-NURS 1(1,0)
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Admission to MSN program or C.I. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NUR 5800 CON-NURS 3(3,0)
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.

NUR 5871 CON-NURS 3(3,0)
Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.

NUR 5883 CON-NURS 1(1,0)
Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

NUR 5891 CON-NURS 1(1,0)
Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NUR 5894C CON-NURS 3(2,1)
International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. Occasional.

NUR 1015 CON-NURS 3(3,0)
Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall.

NUR 3028 CON-NURS 2(2,0)
Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L. NUR 3065 and NUR 3065L; NUR 3825; NUR 3834 and NUR 3834L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L CON-NURS 1(0,2)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L. NUR 3065 and NUR 3065L; NUR 3825; NUR 3834 and NUR 3834L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee: $45.00.

NUR 3065 CON-NURS 2(2,0)
Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1)
Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee: $15.00.

NUR 3125 CON-NURS 3(3,0)
Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.

NUR 3145 CON-NURS 3(3,0)
Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

NUR 3165 CON-NURS 3(3,0)
Nursing Research: PR: Admission to the BSN program; STA 204C or 2023, for Basic program students; successful completion of the first semester for RN to BSN students; NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS 3(3,0)
Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS 1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Program. May be taken with permission of the CON. Fall.

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall. M&S fee: $45.00.

NUR 3445 CON-NURS 3(3,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee: $45.00.

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3805 and NUR 3805L; NUR 3936. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L CON-NURS 2(0,6)
Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3805 and NUR 3805L; NUR 3825; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall. M&S fee: $45.00.

NUR 3755L CON-NURS 2(0,6)

NUR 3795 CON-NURS 3(3,0)

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Selected experiences in reviewing, analyzing, and interpreting nursing research and nursing issues. Spring.

NUR 3825 CON-NURS 2(2,0)
The Role of the Professional Nurse: PR: Admission to the School of Nursing. Examination of the roles and functions of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3826H CON-NURS 3(3,0)
Bioethical and Legal Issues in Health Care -Honors: PR: Permission of Honors; admission to the School of Nursing or C.I.; ENC 1102. Theoretical and practical issues in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I.; Concurrent 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: PR: Admission to the 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 4277L CON-NURS 3(3,0)  
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 CI. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or critical threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0)  
Introduction to Critical Care Nursing: PR: RN status or CI. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0)  
Gerontologic Nursing: PR: NUR 4286 or RN status or CI. Theories and principles related to the promotion of health, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0)  
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or CI. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0)  

NUR 4535 CON-NURS 3(3,0)  
Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227, NUR 4227L, NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,2)  
Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535, NUR 4227, NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.

NUR 4550 CON-NURS 3(3,0)  

NUR 4604L CON-NURS 4(0,12)  

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 4454L, Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,1)  
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 4454L, Directed Practice; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Fall, Spring.

NUR 4675 CON-NURS 3(3,0)  
Issues in Rural Health Care: PR: NUR 3505 or Junior Status or CI. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4758 CON-NURS 3(3,0)  
Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN licensure, or CI. An in-depth look at issues encountered in nursing practice related to the process of death, dying and end of life. Occasional.

NUR 4760 CON-NURS 3(3,0)  
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or CI. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0)  
Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or CI. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0)  
Leadership and Management Principles: PR: NUR 3805, RN Status or CI. Scientific theories and methods of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4828 CON-NURS 3(3,0)  
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4454L, Directed Practice; NUR 4637, NUR 4637L, NUR 4257. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4829 CON-NURS 3(3,0)  
Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4454L or CI. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0)  

NUR 4838L CON-NURS 2(0,2)  

NUR 4906 CON-NURS 3(3,0)  
Forensic Nursing Principles and Practice: PR: Admission to the BSN program, RN License, or CI. Scientific theories and principles of forensic nursing. Occasional.

NUR 4907H CON-NURS 3(3,0)  
Variable Independent Study: Directed Study: Graduated S/U or Letter Grade. May be repeated for credit. Occasional.

NUR 4930 CON-NURS 3(3,0)  
Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or CI. Why the health of minorities and special populations influence the health of minorities and special populations. Occasional.

NUR 4936 CON-NURS 3(3,0)  
Women’s Health Issues: PR: ENC 1102. Junior standing, or CI. Factors and conditions impacting the health of women. May be repeated for credit. Fall.

NUR 4942L CON-NURS 3(3,0)  
Nursing Practicum for International Students: PR: CI ( Consent of Instructor). In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4)  
Nursing Practicum: PR: Admission to the BSN program; STA 2041C or 2023; For Basic program successful completion of the first three semesters; for RN to BSN students: NUR 3505 and RN status or CI. Designed to enhance student’s knowledge and experience in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 3(3,0)  
Thesis or Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. Occasional.
PAD 3003 HPA-PUB 3(3,0)
Public Administration in American Society: PR: POS 204L. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0)
Urban and Regional Planning: PR: 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 3930 HPA-HPA 1(1,0)
American Humancis Human Service Workshop: PR: Enrollment in American Humancis Minor or National Certificate Program through American Humancis Program Office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be 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 administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)
Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4110 HPA-PUB 3(3,0)
Intergovernmental Administration: Various approaches to 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: PAD 3003 or C.I. The study of various theoretical concepts to the "real world" of public administration. Administration/management of various theoretical concepts to the "real world" of public administration. Administration/management of nonprofit human services organizations. May be repeated for credit. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)
Resource Development in the Nonprofit Sector: PR: Junior status or C.I. Examination of the development and management of human resources and financial resources development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)
Volunteer Management: PR: Junior status or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0)
Planning and Improvement for Pub Org: Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0)
Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0)
Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget 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 variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0)
Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social, and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0)
Issues in Environmental Program Management: CR: PAD 3303. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0)
Hazard Mitigation and Preparedness: PR: 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 003 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: PR or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB 3(3,0)
Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0)
Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4461 HPA-PUB 3(3,0)
Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.

PAD 4616 HPA-PUB 3(3,0)
Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services, including privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

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(3,0)
Public Administration Internship: PR: 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(3,0)
American Humancis Internship: PR: Enrollment in American Humancis AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humancis certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5060 HPA-PUB 3(3,0)
Administrative Practice in the Public Sector: The application of various theoretical concepts to the "real world" of public administration. Policy formulation and execution are examined through the case study mode. Occasional.

PAD 5145 HPA-PUB 3(3,0)
Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0)

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.
UCF Courses and Descriptions

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)

PAD 5807 HPA-PUB 3(3,0)
Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0)
Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PFA 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.

PFA 3753H HPA-HPA 3(3,0)

PFA 3850H HPA-HPA 3(3,0)

PFA 4754 HPA-PUB AFF 3(3,0)
Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 5235 COS-BIOL 3(3,0)

PCB 3023 COS-BIOL 3(3,0)

PCB 3024L COS-BIOL 2(0,8)
Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044 COS-BIOL 3(3,0)

PCB 3044L COS-BIOL 1(0,3)
Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee: $15.00

PCB 3063 COS-BIOL 3(3,0)
Genetics: PR: BSC 2010C 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)
Honors Genetics: PR: BSC 2010C and CHM 2046, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Fall.

PCB 3063L COS-BIOL 1(0,3)
Genetics Laboratory: PR: or CR: 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: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunotherapy. Fall.

PCB 3233L COM-M&M 1(0,3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall. Spring. M&S fee: $45.00

PCB 3301C COS-BIOL 4(3,4)

PCB 3304C COS-BIOL 4(2,4)

PCB 3314 COS-BIOL 3(3,0)

PCB 3355C COS-BIOL 2(1,1)
Tropical Marine Biology: PR: BSC 2010C and BSC 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442 COS-BIOL 3(3,0)

PCB 3522 COM-M&M 3(3,0)
Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3)
Human Physiology: PR: BSC 2010C, CHM 3032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee: $35.00

PCB 3703H COM-M&M 4(3,3)
Human Physiology Honors: PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. Fall.

PCB 4026 COM-M&M 3(3,0)
Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 4174 COM-M&M 3(3,0)

PCB 4235 COM-M&M 3(3,0)

PCB 4239 COM-M&M 3(3,0)
Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4251 COM-M&M 3(3,0)
Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

PCB 4264 COM-M&M 3(3,0)
Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4302C COS-BIOL 4(3,4)
Physiochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. Occasional. M&S fee: $15.00

PCB 4303C COS-BIOL 4(3,4)

PCB 4353 COS-BIOL 3(3,0)
Florida Natural History: PR: BSC 2010C and BSC 2011C, or C.I. Florida’s ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.

PCB 4514 COS-BIOL 3(3,0)
Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.

PCB 4524 COM-M&M 3(3,0)

PCB 4524H COM-M&M 3(3,0)
Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.
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PCB 4529 COM-M&M 3(3,0)  

PCB 4678 COS-BIOL 3(3,0)  
Evolution and Medicinal Plants: PR: PCB 4683 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

PCB 4683 COS-BIOL 4(4,0)  
Evolutionary Biology: PR: A grade of "C" (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to specialization, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4683L COS-BIOL 1(0,2)  
Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall. Spring. M&S fee: $10.00

PCB 4723 COS-BIOL 4(4,0)  
Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4805 COM-M&M 3(3,0)  
Endocrinology: PR: PCB 3763C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. Occasional.

PCB 5025 COM-M&M 3(3,0)  
Molecular and Cellular Pharmacology: PR: Graduate standing. PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 5045 COS-BIOL 4(4,0)  
Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Fall. M&S fee: $15.00

PCB 5238 COM-M&M 3(3,0)  
Immunobiology: PR: PCB 3233, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5239 COM-M&M 3(3,0)  

PCB 5265 COM-M&M 3(3,0)  
Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 5275 COM-M&M 3(3,0)  
Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C COS-BIOL 5(3,2)  
Ecosystems of Florida: PR: PCB 3044, PCB 3044L or equivalent, and graduate status or senior standing or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee: $15.00

PCB 5435C COS-BIOL 4(2,6)  
Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. M&S fee: $45.00

PCB 5485 COS-BIOL 3(3,0)  
Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional. M&S fee: $15.00

PCB 5665C COS-BIOL 4(3,2)  
Human Genetics: PR: PCB 3063 or equivalent, and senior standing, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee: $15.00

PCB 5687 COS-BIOL 3(3,0)  
Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propagule size, number, age-size at maturity, survival and senescence) examined using a quantitative genetic framework. Even Fall.

PCB 5935 COS-BIOL 3(3,0)  

PCO 4203 COS-PSYCH 4(3,2)  
Interviewing and Counseling: PR: PSY 2022, PFE 3003, CLP 3143 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 ED-CFCS 2(1,1)  
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Fall, Spring.

PEL 2034 ED-CFCS 2(1,1)  
Beginning Tennis: PR: PEL 2341 or equivalent competency. Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2341 ED-CFCS 2(1,1)  
Beginning Tennis: PR: PEL 2341 or equivalent competency. Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEM 5408C</td>
<td>ED-CFCS Controlling Classroom Violence: PR: Grad</td>
<td>3(2,1)</td>
<td>certified teacher. A hands-on course dealing with controlling disruptive and</td>
</tr>
<tr>
<td>PEN 1121</td>
<td>ED-CFCS Elementary Swimming: For non-swimmers</td>
<td>2(1,1)</td>
<td>and beginning swimmers. Development and study of technique in the basic skills</td>
</tr>
<tr>
<td>PEO 2011</td>
<td>ED-CFCS Team Sports: This course is designed</td>
<td>3(2,1)</td>
<td>to develop skill proficiency and knowledge to plan, implement and evaluate</td>
</tr>
<tr>
<td>PEO 2031</td>
<td>ED-CFCS Individual Sports: Skill proficiency</td>
<td>3(2,1)</td>
<td>team sports as part of the Physical Education program. FALL, SPRING. M&amp;S fee:</td>
</tr>
<tr>
<td>PEO 2623C</td>
<td>ED-CFCS Officiating Basketball: Skills, knowledge,</td>
<td>2(1,1)</td>
<td>$9.00</td>
</tr>
<tr>
<td>PEO 2624</td>
<td>ED-CFCS Coaching Basketball: Theory and methods</td>
<td>3(2,1)</td>
<td>of basketball, including the analysis of offensive and defensive</td>
</tr>
<tr>
<td>PEO 3041</td>
<td>ED-CFCS Games Analysis: PR: Admission to Physical</td>
<td>3(3,0)</td>
<td>techniques and strategies. FALL, SPRING.</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>ED-CFCS Coaching Volleyball: Theory and methods</td>
<td>3(2,1)</td>
<td>of coaching volleyball, including the analysis of offensive and defensive</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>ED-CFCS Coaching Football: Theory and methods of</td>
<td>3(2,1)</td>
<td>alignment techniques and strategies. SPRING.</td>
</tr>
<tr>
<td>PEO 5645C</td>
<td>ED-CFCS Coaching Football: PR: C.I. Advanced</td>
<td>3(2,1)</td>
<td>principles and methods common to the coaching of football. Includes teaching</td>
</tr>
<tr>
<td>PEP 3205</td>
<td>ED-CFCS Gymnastics: This course is designed to</td>
<td>3(2,1)</td>
<td>and training methods, organization, motivation and strategies. Occasional.</td>
</tr>
<tr>
<td>PET 2081</td>
<td>ED-CFCS Wellness, Children and Schools:</td>
<td>1(1,0)</td>
<td>Exploration and promotion of well-being for children in schools. FALL, SPRING.</td>
</tr>
<tr>
<td>PET 2622C</td>
<td>ED-CFCS Human Injuries: PR: C.I. The prevention,</td>
<td>3(2,1)</td>
<td>identification, care, and rehabilitation of human injuries. FALL, SPRING.</td>
</tr>
<tr>
<td>PET 3084</td>
<td>ED-CFCS Triathlon Training and Performance: PR:</td>
<td>3(3,0)</td>
<td>PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and</td>
</tr>
<tr>
<td>PET 3125</td>
<td>ED-CFCS Fitness and Weight Management: PR:</td>
<td>3(3,0)</td>
<td>Admittance to Sport and Fitness Program or C.I. Provides current and future</td>
</tr>
<tr>
<td>PET 3137</td>
<td>ED-CFCS Concepts &amp; Practices in Sports and</td>
<td>3(3,0)</td>
<td>professionals with the requisite knowledge of fitness and weight management</td>
</tr>
<tr>
<td>PET 3214</td>
<td>ED-CFCS Sports Psychology: A review of principles</td>
<td>3(3,0)</td>
<td>research, theories, and practice. SPRING.</td>
</tr>
<tr>
<td>PET 3344C</td>
<td>ED-CFCS Fundamentals of Athletic Coaching: PR:</td>
<td>2(2,1)</td>
<td>PEO 2011 or C.I. Basic knowledge of standards and practices for athletic</td>
</tr>
<tr>
<td>PET 3361</td>
<td>ED-CFCS Nutrition for Sports and Fitness: PR: Z</td>
<td>3(3,0)</td>
<td>athletic coaching. OCCASIONAL.</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>HPA-HP Physiologic &amp; Metabolic Basis of Human</td>
<td>3(2,1)</td>
<td>Movement &amp; Performance: PR: Admission to Health Sciences - Athletic Training</td>
</tr>
<tr>
<td>PET 3620</td>
<td>HPA-HP Principles of Athletic Training: PR: ZOO</td>
<td>3(3,0)</td>
<td>3733C or ZOO 3736C and PCB 3705C; Junior standing; open to all non-majors.</td>
</tr>
<tr>
<td>PET 3623C</td>
<td>HPA-HP Recognition and Evaluation of Athletic</td>
<td>2(2,2)</td>
<td>majors. Athletic training principles including injury recognition, emergency</td>
</tr>
<tr>
<td>PET 3633C</td>
<td>HPA-HP Clinical Skills for Athletic Trainers I:</td>
<td>2(1,1)</td>
<td>care, bloodstream pathogens, rehabilitation and prevention. FALL, SPRING.</td>
</tr>
<tr>
<td>PET 3649C</td>
<td>HPA-HP Clinical Skills for Athletic Training II:</td>
<td>2(1,1)</td>
<td>PR: PET 3633C and ZOO 3733C or ZOO 3736C; Junior standing; Open to all non-</td>
</tr>
<tr>
<td>PET 3670L</td>
<td>HPA-HP Practicum in Athletic Training I: PR: P</td>
<td>4(0,16)</td>
<td>PET 3620. Clinical introduction to an athletic training site under direct</td>
</tr>
<tr>
<td>PET 3671L</td>
<td>HPA-HP Practicum in Athletic Training II: PR: P</td>
<td>4(0,16)</td>
<td>supervision of a certified athletic trainer. FALL, SPRING.</td>
</tr>
<tr>
<td>PET 3740C</td>
<td>ED-CFCS Teaching Physical Education in the</td>
<td>2(1,1)</td>
<td>PR: Admission to Junior Block, or C.I. Curricular and instructional considerat</td>
</tr>
<tr>
<td>PET 3765</td>
<td>ED-CFCS Coaching Theory: PR: Admitted to COE or</td>
<td>3(3,0)</td>
<td>ions for teaching secondary and middle school physical education. OCCASIONAL.</td>
</tr>
<tr>
<td>PET 3768</td>
<td>ED-CFCS Group Exercise Instruction: PR: Admission</td>
<td>3(3,0)</td>
<td>to the B.S. in Sports and Fitness program or C.I. Requisite knowledge of a</td>
</tr>
<tr>
<td>PET 3771</td>
<td>ED-CFCS Fitness and Conditioning Concepts: PR: Z</td>
<td>3(3,0)</td>
<td>variety of group exercise instruction modalities. FALL, SPRING.</td>
</tr>
<tr>
<td>PET 3820</td>
<td>ED-CFCS Teaching Sports Skills I: PR: PEO 2011</td>
<td>3(2,1)</td>
<td>PR: PEO 2031. Skill proficiency and knowledge to plan, implement and</td>
</tr>
<tr>
<td>PET 3940</td>
<td>ED-CFCS Internship I Physical Education: PR:</td>
<td>3(3,0)</td>
<td>evaluate sports and leisure activities in physical education programs.</td>
</tr>
<tr>
<td>PET 3941</td>
<td>ED-CFCS Internship I: PR: Senior standing, EDG</td>
<td>6(0,16)</td>
<td>Occasional.</td>
</tr>
<tr>
<td>PET 4002</td>
<td>ED-CFCS Motor Development and Learning: PR: PE</td>
<td>3(1,2)</td>
<td>Junior standing. An analysis of the theories and factors influencing the</td>
</tr>
<tr>
<td>PET 4083</td>
<td>ED-CFCS Practical Fitness Training: PR: Admission</td>
<td>3(3,0)</td>
<td>motor development of children and the learning of gross and fine motor</td>
</tr>
<tr>
<td>PET 4088</td>
<td>ED-CFCS Physical Activity &amp; Preventive Medicine</td>
<td>3(3,0)</td>
<td>skills. FALL.</td>
</tr>
<tr>
<td>PET 4215</td>
<td>ED-CFCS Motivational Aspects of Athletic</td>
<td>3(3,0)</td>
<td>Performance: PR: Coaching minor or C.I. Theories of attitude, motivation,</td>
</tr>
<tr>
<td>PET 4312</td>
<td>ED-CFCS Biomechanics: PR: Anatomy. The comprehen</td>
<td>3(2,1)</td>
<td>effort, persistence, mental focus, visualization, and an exploration of</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>ED-CFCS Biomechanics of Sport: PR: PHYS 2093C</td>
<td>3(2,2)</td>
<td>techniques to enhance athlete performance. FALL. SPRING.</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>ED-CFCS Applied Exercise and Human Physiology</td>
<td>3(2,1)</td>
<td>PR: ZOO 3735C, ZOO 3736C or appropriate human anatomy course. Metabolic,</td>
</tr>
</tbody>
</table>

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PET 4401 ED-CFCS 3(3,0)
Administration and Evaluation in Physical Education: This course is designed to address administrative, measurement and evaluation considerations of physical education programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1)

PET 4603C HPA-HP 3(2,2)
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee: $53.50

PET 4604 HPA-HP 3(3,0)
Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C. Junior standing. Open to all COHPA majors. Appreciation and clinical application of fitness related athletics. Spring.

PET 4624C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: PET 3620. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

PET 4625 ED-CFCS 3(3,0)

PET 4630C HPA-HP 4(2,4)

PET 4632C HPA-HP 4(2,4)

PET 4636C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0,16)
Practicum in Athletic Training III: PR: PET 3671L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L 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.

PET 4674 HPA-HP 1(1,0)

PET 4710 ED-CFCS 3(3,0)
Teaching Physical Education K-12: PR: Must be admitted to internship. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for teaching Physical Education. Odd Fall, Even Spring.

PET 4724 ED-CFCS 3(3,0)
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.

PET 4763 ED-CFCS 3(3,0)
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.

PET 4823C ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4925 ED-CFCS 3-6(0,16)
Sports and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 23 of the Sports and Fitness program requirements. Field experience in a sports and fitness related organization. Occasional.

PET 4926 ED-CFCS 9-12(0,35)

PET 4943 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded SU. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35)
Internship III: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 3(3,0)
Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 3(3,0)
Exercise and Health: PR: Admission to master’s program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0)
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(3,0)
Advanced Human Injuries: PR: PET 2622C 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.

PET 5766 ED-CFCS 3(3,0)

PET 5931 ED-CFCS 3(3,0)
Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C CAH-ART 3(3,2)
Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall. M&S fee: $45.00

PGY 3002 CAH-ART 3(3,0)
Contemporary Photography: PR: ARH 3711 or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

PGY 3205C CAH-ART 3(2,4)
Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3324 CAH-ART 3(3,0)
The Professional Environment: PR: ARH 3711, PGY 3002, or C.I. The world of professional photography, exploring various topics such as legal and ethical issues, marketing and self-promotion strategies. Occasional.

PGY 34110C CAH-ART 3(3,2)

PGY 3451C CAH-ART 3(2,4)
Alternative Processes: PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee: $45.00

PGY 3480 CAH-ART 3(3,0)
Photographic Exhibition and Display: PR: ARH 3711, PGY 3002, PGY 3324 or C.I. The museum environment, focusing on the acquisition and display of photographic materials as well as curatorial functions facing contemporary museums. Occasional.

PGY 3610C COS-COMM 3(1,4)
Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35 MM SLR camera with manual mode required. Fall. Spring. M&S fee: $45.00

PGY 3620C COS-COMM 3(1,2)
Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Odd Spring. M&S fee: $45.00

PGY 3630 COS-COMM 3(3,0)
UCF Courses and Descriptions

PGY 3651C CAH-ART 3(2,4) Narrative Editorial Photography: PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall.

PGY 3653C CAH-ART 3(2,4) Advanced Explorations in Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring.

PGY 3751C CAH-ART 3(2,4) Videography: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3809C CAH-ART 3(2,4) Photography and Web Design: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. Occasional. M&S fee: $45.00

PGY 3821C CAH-ART 3(2,4) Digital Imagery for Photography: PR: PGY 1806 or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee: $45.00

PGY 4003 CAH-ART 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-ART 3(2,4) Advanced Illustrative Photography: PR: PGY 3025C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PGY 4420C CAH-ART 3(2,3) Advanced Photography: PR: ART 201C, ART 203C, ART 230C, ART 233C, ART 241C, and a satisfactory portfolio review or C.I. Or, admission to the Photography program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee: $45.00


PGY 4471 CAH-ART 3(3,0) Photography Thesis: PR: PGY 3224, PGY 4003, or C.I. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee: $45.00

PGY 4472C CAH-ART 3(2,4) Photography Workshop/Project: PR: PGY 2655, PGY 2216 or C.I. Student personal projects incorporating photographic imagery. Emphasis is on purposeful and well-conceived self-expression and discovery. Occasional. M&S fee: $45.00

PGY 4493C CAH-ART 3(2,4) Photography and Art: PR: PGY 4472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional.

PGY 5108C CAH-ART 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3420C and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional. M&S fee: $45.00

PHH 3041 CAH-PHIL 3(3,0) Russian Philosophy: PR: ENG 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHH 3100 CAH-PHIL 3(3,0) Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHH 3200 CAH-PHIL 3(3,0) Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Islamic, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHH 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHH 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. Occasional.

PHH 3700 CAH-PHIL 3(3,0) American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in etiopathology, political philosophy and environmental studies. Even Fall.

PHI 2010 CAH-PHI 3(3,0) Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.


PHI 2101 CAH-PHI 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHI 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHI 3(3,0) Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHI 3(3,0) Logic and Ethics: PR: PHI 2010 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3022 CAH-PHI 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3323 or C.I. Examines the conceptions of post-structuralist and neo-scientific theories to cultural issues in sexuality and gender. Even Spring.

PHI 3033 CAH-PHI 3(3,0) Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHI 3(3,0) Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the researching, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHI 3(3,0) Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logical systems and automatic methods; problems of metaphor, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHI 3(3,0) Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.

PHI 3323 CAH-PHI 3(3,0) Minds and Machines: Philosophy of Cognitive Science: PR: PHI 2010 or C.I. Assumptions undergirding research in Cognitive Science. Fall, Odd Spring.

PHI 3345 CAH-PHI 3(3,0) Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3601 CAH-PHI 1(1,0) Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHI 3(3,0) Virtual Ethics: PR: COP 3502 or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHI 3(3,0) Advanced Ethics in Science and Technology: PR: COP 3520C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHI 3(3,0) Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3135. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.
PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3670 CAH-PHIL 3(3,0)

Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)

Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0)

Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3628, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL 3(3,0)

Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of ‘the good life.’ Occasional.

PHI 3700 CAH-PHIL 3(3,0)

Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0)


PHI 3750 CAH-PHIL 3(3,0)


PHI 3790 CAH-PHIL 3(3,0)

African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

PHI 3941 CAH-PHIL 3(1,3)

Philosophy Practicum: PR: C.I. Mentor at risk grade schoolers and evaluate such work-related concepts as justice and fairness. Occasional.

PHI 4221 CAH-PHIL 3(3,0)

Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)

Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)

Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)

Ways of Knowing: PR: PHI 2010 or C.I. Philosophical study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)

Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)

Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)

Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)

Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)

Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)

Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)

Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)

Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.
PHYSICS

PHY 2030L COS-PHYS 1(0,3) Physics Laboratory for Engineers and Scientists: Lab. Physics laboratories and demonstrations. May be repeated for credit and/or for different topics. Fall, Spring.

PHY 2032L COS-PHYS 1(1,5) Intermediate Physics Laboratory: Lab. for PHY 3101 and C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3920 COS-PHYS 1(1,0) Frontiers in Physics Research: Colloquia and Public Talks: Lab. PHY 3101 or C.I. Presentations of current research and major advances in physics. Grad S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 4324 COS-PHYS 3(3,0) Electricity and Magnetism I: Lab. PHY 3223. Electrodynamics, magnetostatics, electromagnetic waves, reflection, complex impedances, static solutions to Laplace's equation, radiation from an accelerated charge and antenna, special relativity. Spring.

PHY 4424 COS-PHYS 3(3,0) Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 COS-PHYS 3(3,0) Lasers: Lab. PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. Occasional.

PHY 4604 COS-PHYS 3(0,5) Wave Mechanics II: Lab. PHY 4604. Further applications of quantum mechanics, perturbation theory, scattering theory, identical particles. Spring.


PHY 5015C COS-PHYS 3(2,2) Physics for Teachers II: Lab. Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5100 COS-PHYS 1(1,0) Topics in Contemporary Physics for Teachers: Lab. Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophys- ics, etc. May be repeated for credit. Occasional.

PHY 5140C COS-PHYS 3(3,2) Ion-Solid Interactions: Lab. PHY 4604 or PHY 4524. Graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. Even Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 5200C</td>
<td>COS-PHYS 1(0.5,1.5) Newtonian Mechanics for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.</td>
<td></td>
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<tr>
<td>PHY 5300C</td>
<td>COS-PHYS 1(0.5,1.5) Electrodynamics for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5302C</td>
<td>COS-PHYS 1(0.5,1.5) Electromagnetism for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. Gauss' Law, Biot-Savart Law, Ampère's Law, Faraday's Law, Lenz's law, motors, generators, AC circuits and Maxwell's Equations. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5346</td>
<td>COS-PHYS 3(3.0) Electrodymanics</td>
<td>PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 5401C</td>
<td>COS-PHYS 1(0.5,1.5) Optics for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5455</td>
<td>COS-PHYS 3(3.0) Modern X-ray Science</td>
<td>PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5466C</td>
<td>COS-PHYS 1(0.5,1.5) Wave Motion for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5500C</td>
<td>COS-PHYS 1(0.5,1.5) Thermodynamics for Teachers</td>
<td>PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5524</td>
<td>COS-PHYS 3(3.0) Statistical Physics</td>
<td>PR: PHY 5513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.</td>
<td></td>
</tr>
<tr>
<td>PHY 5506</td>
<td>COS-PHYS 3(3.0) Quantum Mechanics I</td>
<td>PR: PHY 4605, and graduate status or senior standing or C.I. Introduction to quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrödinger equation, matrix formulation, and time independent perturbation theory. Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 5550</td>
<td>COS-PHYS 3(3.0) Introduction to Quantum Computation</td>
<td>PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5817L</td>
<td>COS-PHYS 1(0.3) Building Physics Apparatus</td>
<td>PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&amp;S fee: $45.00</td>
<td></td>
</tr>
<tr>
<td>PHY 5846C</td>
<td>COS-PHYS 3(3.3) Methods of Experimental Physics</td>
<td>PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 5933</td>
<td>COS-PHYS 3(3.0) Selected topics in biophysics of macromolecules</td>
<td>PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 53113</td>
<td>COS-PHYS 3(3.0) Introduction to Theoretical Methods of Physics</td>
<td>PR: MAP 2252. Analytical techniques to solve problems of physics. Spring.</td>
<td></td>
</tr>
<tr>
<td>PHY 53422</td>
<td>COS-PHYS 3(3.0) Nanophysics</td>
<td>PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 43900</td>
<td>COS-PHYS 3(3.0) Nuclear and Particle Physics</td>
<td>PR: PHY 4065 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 4434</td>
<td>COS-PHYS 3(3.0) Nanoscale Surface Physics</td>
<td>PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 5156</td>
<td>COS-PHYS 3(3.0) Computational Physics</td>
<td>PR: PHY 5151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 5304</td>
<td>COS-PHYS 3(3.0) Nuclear and Particle Physics</td>
<td>PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5405</td>
<td>COS-PHYS 3(3.0) Condensed Matter Physics</td>
<td>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.</td>
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</tr>
<tr>
<td>PHY 5425C</td>
<td>COS-PHYS 3(3.3) Electron Solid Interactions</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PHY 5437</td>
<td>COS-PHYS 3(3.0) Nanoscale Surface Physics</td>
<td>PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5505</td>
<td>COS-PHYS 3(3.0) Plasma Physics</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 3013</td>
<td>HPA-C/L 3(3.0) Law and the Legal System</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 3104</td>
<td>HPA-C/L 3(3.0) Legal Research</td>
<td>PR: PLA 3013 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.</td>
<td></td>
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<tr>
<td>PLA 3155</td>
<td>HPA-C/L 3(3.0) Civil Practice and Procedure - Honors</td>
<td>PR: Permission of Honors and PLA 3013 or C.I. Same as PLA 3021 with honors level content. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 3201</td>
<td>HPA-C/L 3(3.0) The Law of Torts</td>
<td>PR: PLA 3013 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>PLA 3304</td>
<td>HPA-C/L 3(3.0) Criminal Law</td>
<td>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.</td>
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</tr>
<tr>
<td>PLA 3308</td>
<td>HPA-C/L 3(3.0) Criminal Procedure</td>
<td>PR: PLA 3013 or CCJ 3024 or C.I. Rules of criminal procedure, emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>PLA 3610</td>
<td>HPA-C/L 3(3.0) Property and Real Estate Law</td>
<td>PR: PLA 3013. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.</td>
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</tr>
<tr>
<td>PLA 4020</td>
<td>HPA-C/L 3(3.0) Law and Society</td>
<td>Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.</td>
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</tr>
<tr>
<td>PLA 4223</td>
<td>HPA-C/L 3(3.0) Advanced Trial Advocacy</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4240</td>
<td>HPA-C/L 3(3.0) Negotiation Alternatives in Law</td>
<td>PR: PLA 3013/C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.</td>
<td></td>
</tr>
</tbody>
</table>
PLA 4263 HPA-C/LS 3(3,0)  
Evidence: PR: PLA 3013 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 4423 HPA-C/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 4433 HPA-C/LS 3(3,0)  
Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4460 HPA-C/LS 3(3,0)  
Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-C/LS 3(3,0)  
Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4483 HPA-C/LS 3(3,0)  
Administrative Law: PR: PLA 3013 or PAD 3003. The law governing governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-C/LS 3(3,0)  
Legal Issues of the Elderly: PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-C/LS 3(3,0)  
Environmental Law: PR: PLA 3013 and PLA 4483 or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-C/LS 3(3,0)  

PLA 4583H HPA-C/LS 3(3,0)  
Honors Cyber Law: PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Consent. Occasional.

PLA 4601 HPA-C/LS 3(3,0)  
Estate Trusts: PR: PLA 3013, PLA 3610. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4602 HPA-C/LS 3(3,0)  
Estate Administration: PR: PLA 4601. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4700 HPA-C/LS 3(3,0)  

PLA 4710 HPA-C/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 4732 HPA-C/LS 3(3,0)  
Advanced Legal Applications: Computer Software: PR: PLA 3013 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 4763 HPA-C/LS 3(3,0)  

PLA 4800 HPA-C/LS 3(3,0)  
Domestic Relations Law: PR: PLA 3013 and PLA 3610, 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-C/LS 3(3,0)  
Juvenile Law and Procedure: PR: PLA 3013 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-C/LS 3(3,0)  
Sports Law: PR: PLA 3013 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-C/LS 3(3,0)  

PLA 4825 HPA-C/LS 3(3,0)  
Entertainment Law: PR: PLA 3013 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-C/LS 3(3,0)  

PLA 4830 HPA-C/LS 3(3,0)  
World Legal Systems: PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4864 HPA-C/LS 3(3,0)  

PLA 4910 HPA-C/LS 3(3,0)  
Trial Advocacy: PR: PLA 3013, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-C/LS 3(3,0)  
Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-CJ/LS 3(3,0)  
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-C/LS 3(1,2)  

POR 1120C CAH-LANG 4(3,1)  
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1)  
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0)  
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0)  
Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)  
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0)  
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0)  

POS 3076 COS-POLS 3(3,0)  
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0)  

POS 3122H COS-POLS 3(3,0)  

POS 3173 COS-POLS 3(3,0)  

POS 3182 COS-POLS 3(3,0)  
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.
Assignments with selected civic organizations, elected or with the national, state, county or municipal government.

Cultural Pluralism and Law: POS 3046 COS-POLS 3(3,0)
Cultural Pluralism and Law: PR: POS 2041 or C.I. A case law approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. Occasional.

Scope and Methods of Political Science: POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

Political Psychology: POT 4066 COS-POLS 3(3,0)
The psychological analysis of political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

Political Behavior: POS 3408 COS-POLS 3(3,0)
The study of the development of political and social ideas from the 18th century to the 17th century.

Political Socialization: POS 3426 COS-POLS 3(3,0)
PR: POS 2041 or C.I. Analysis of recruitment and socialization processes, identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

Judicial Process and Politics: POS 4284 COS-POLS 3(3,0)
Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

Presidential Campaigning: POS 4412 COS-POLS 3(3,0)
PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

American Constitutional Law: POS 4603 COS-POLS 3(3,0)
PR: POS 2041 or C.I. The study and development of political and social ideas from the 18th century, including liberalism, puritanism, the Federalist, the Anti-Federalist and various normative approaches to the study of political science. Occasional.

American Constitutional Law II: POS 4604 COS-POLS 3(3,0)
PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

American Constitutional Law: POS 3949 COS-POLS 0(0,8)

Political Socialization: POS 4074 COS-POLS 3(3,0)
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Odd Fall.

Political Psychology: POT 4066 COS-POLS 3(3,0)
Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4046 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPS 3003</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Personality Theory: PR: PSY 2012. A survey of theory and research on the development of personality characteristics. Fall, Spring.</td>
</tr>
<tr>
<td>PPS 3003H</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Honors Personality Theory: PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content. Occasional.</td>
</tr>
<tr>
<td>PPS 5055</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. Occasional.</td>
</tr>
<tr>
<td>PPS 3002</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall. Spring.</td>
</tr>
<tr>
<td>PPS 3441</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed by web instruction. Focuses on pharmacology, neuropsychology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use. Spring.</td>
</tr>
<tr>
<td>PPS 5005</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Physiological Psychology: PR: PPS 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.</td>
</tr>
<tr>
<td>PPS 1121</td>
<td>COS-PHYS</td>
<td>1(0,2)</td>
<td>Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&amp;S fee: $10.00</td>
</tr>
<tr>
<td>PPS 1801</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Physics in Films: PR: High school algebra. Physics using film as a vehicle of education. Not open to students with credit in PSC 1121. Occasional.</td>
</tr>
<tr>
<td>PPS 3021</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Introduction to Psychological Science: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.</td>
</tr>
<tr>
<td>PPS 3021H</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.</td>
</tr>
<tr>
<td>PPS 2023</td>
<td>COS-PYCH</td>
<td>1(1,0)</td>
<td>Careers in Psychology: PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>PPS 3028</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.</td>
</tr>
<tr>
<td>PPS 3204</td>
<td>COS-PYCH</td>
<td>4(3,2)</td>
<td>Statistical Methods in Psychology: PR: STA 2014C or STA 2023. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.</td>
</tr>
<tr>
<td>PPS 3213C</td>
<td>COS-PYCH</td>
<td>5(3,2)</td>
<td>Research Methods in Psychology: PR: PSY 2012, PSY 3004, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>PPS 3213H</td>
<td>COS-PYCH</td>
<td>5(3,2)</td>
<td>Honors Research Methods in Psychology: PR: PSY 2012, PSY 3004 and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.</td>
</tr>
<tr>
<td>PPS 3624</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Parapsychology: PR: PSY 2012. An examination of the history and development of research on paranormal phenomena, with special emphasis on recent developments in extraordinary perception and psychokinesis. Occasional.</td>
</tr>
<tr>
<td>PPS 3703</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.</td>
</tr>
<tr>
<td>PPS 3951</td>
<td>COS-PYCH</td>
<td>1-9(3-30)</td>
<td>Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded SU. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>PPS 4025</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.</td>
</tr>
<tr>
<td>PPS 4270L</td>
<td>COS-PYCH</td>
<td>3(0,3)</td>
<td>Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>PPS 4305C</td>
<td>COS-PYCH</td>
<td>3(1,4)</td>
<td>Advanced Psychological Measurement: PR: or CR: PSY 3202. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. Occasional.</td>
</tr>
<tr>
<td>PPS 4604</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.</td>
</tr>
<tr>
<td>PPS 4604H</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>Honors History and Systems of Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.</td>
</tr>
<tr>
<td>PPS 5605</td>
<td>COS-PYCH</td>
<td>3(3,0)</td>
<td>History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. The course is intended for the PhD in Clinical Psychology, in certain instances graduate students in other programs may enroll. Odd Fall.</td>
</tr>
<tr>
<td>PPU 3014</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
<td>Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.</td>
</tr>
<tr>
<td>PPU 3203</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
<td>Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

PUP 3314 COS-POLS 3(3,0) Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0) Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0) Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0) Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0) Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracking their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3,0) Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0) Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0) Government and Science: PR: C.I. Examination of the interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0) Space Policy: PR: Junior standing or C.I. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0) Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0) Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0) Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUR 3100 COS-COMM 3(2,1) Writing for Public Relations: PR: AD/PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUR 4000 COS-COMM 3(3,0) Public Relations: PR: C.I. Analysis of public relations including techniques, research tools, publicity, and management. Fall, Spring.

PUR 4110C COS-COMM 3(1,3) Public Relations Publications: PR: ENC 2210 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUR 4203 COS-COMM 3(3,0) PR/Advertising Ethics and Law: PR: AD/PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUR 4801 COS-COMM 3(3,0) Public Relations Case Studies: PR: AD/PR majors only AND PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advancement of organizational goals. Fall, Spring.


RAT 3241 HPA-HP 3(3,0) Clinical Radiobiology: Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. Occasional.

RAT 3242 HPA-HP 2(2,0) Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2,0) Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. Occasional.

RAT 4247 HPA-HP 3(3,0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3,0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lympho-reticular system. Occasional.


RAT 4619C HPA-HP 4(3,3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.


RAT 4814L HPA-HP 6(0,24) Clinical Education II: PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery of treatment units. Occasional.


RED 3012 ED-TLP 3(3,0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.


RED 4043 ED-TLP 3(3,0) Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 curriculum; Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311 ED-CFCS 3(3,0) Primary Reading, Writing, and Language Arts: PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade: methods for implementing integrated language arts curriculum; guiding developmental, early childhood language experiences. Fall, Spring.

RED 4942 ED-TLP 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 experiences required. Fall, Spring.


RED 5517 ED-TLP 3(3,1) Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading. Instructional materials. Case study required. Even Fall, Spring.

REE 3043 BA-FIN 3(3,0) Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0) Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.
Environmental Issues for Real Estate: PR: REE 3043, REE 3433, open to majors or minors which require this course. Focus on the environmental and social impacts of real estate development and management. Occasional.

Real Estate Appraisal and Valuation: PR: FIN 3403C. Focus on the fundamentals of real estate valuation and the role of appraisers in the real estate market. Occasional.

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.

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.

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.

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.

Advanced Topics in Real Estate: PR: REE 3043 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.


Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2000 or FL 1000. Religious and philosophical themes encountered in contemporary film. Unites religion, philosophy, and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.


Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

Roots of Western Mysticism: PR: HUM 3431, HUM 3435, HUM 3552, HUM 4303, HUM 4545, PHH 3100, or PHH 5200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

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.

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.

Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

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, M&S fee: $45.00.

Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, central problems, infections, metabolic disorders, and AIDS. Spring.

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.

Respiratory Diagnostics II: PR: RET 3026C and HUM 3435. Advanced study of respiratory testing. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.


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.


Cardiopulmonary Diagnostics I: PR: RET 4244. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

Cardiopulmonary Diagnostics II: PR: RET 4244 and RET 4284. Invasive cardiac diagnostic and therapeutic measurements, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.


Advanced Cardiac Ultrasound: PR: RET 4284 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, con- ventional doppler, and color doppler covered. Occasional.

Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 4244 or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.


Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.
RTV 3234C COS-R/TV 3(2,1) 
Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditions, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of class. Occasional. M&S fee: $15.00

RTV 3260C COS-R/TV 4(3,1) 
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $30.00

RTV 3263C COS-R/TV 3(2,1) 
Advanced Video Post-Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 3283C COS-R/TV 3(2,1) 
Production of Interactive Multimedia: PR: CGS 1060C; major status in RTV, AdPrJ, Journalism, Organizational or Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Odd Fall. M&S fee: $15.00

RTV 3301C COS-R/TV 3(3,0) 

RTV 3304 COS-R/TV 3(3,0) 
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-R/TV 1-3(0,3-9) 
Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3220C, or RTV 3260C. Student will serve in a position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.

RTV 4206C COS-R/TV 3(2,1) 
Television Directing: PR: RTV 3226C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. Fall. Even Spring. M&S fee: $30.00

RTV 4211C COS-R/TV 3(2,1) 
Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4271C COS-R/TV 3(2,1) 
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their use on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-R/TV 3(2,1) 
Webcasting II: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4281C COS-R/TV 3(2,1) 
Webcasting: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4320C COS-R/TV 4(1,3) 
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advise- ment of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 4322C COS-R/TV 3(2,1) 
Advanced TV News: PR: RTV 4320C, RTV Majors only, and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-R/TV 3(2,0) 
Electronic Media, Technology, in Society: PR: RTV 3200. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-R/TV 3(3,0) 
Sports Programming on Broadcast and Cable: PR: RTV 3007 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4505 COS-R/TV 3(2,1) 
Program Issues for TV & Motion Pictures: PR: RTV 3007 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-R/TV 3(3,0) 
Regulation of Broadcasting: PR: RTV Majors only, RTV 3007, Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-R/TV 3(0,3) 
Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) 
Elementary Russian Language and Civilization I: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 2210 CAH-LANG 3(3,0) 
Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0) 
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0) 

SCC 3311 HPA/CJ/LS 3(3,0) 
Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA/CJ/LS 3(3,0) 

SCC 3316 HPA/CJ/LS 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-TLP 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: $6.25

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.

SCE 4360 ED-TLP 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-TLP 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 science education majors. Spring.

SCE 5315 ED-TLP 3(3,0) 

SCE 5325 ED-TLP 3(3,0) 
Teaching Middle School Science: PR: EDG 6226 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaching, technology use, ESL, and inquiry in science. Occasional.

SCE 5337 ED-TLP 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 augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.
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SCS 5836 ED-TLP 3(3,0)
Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-ES 3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2261C ED-ES 2(2,1)
Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

SLS 2311C COM-M&M 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-ES 2(2,0)
Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 PSY 3(3,0)

SOP 3004 PSY 3(3,0)

SOP 3723 PSY 3(3,0)

SOP 3724 PSY 3(3,0)
Psychology of Prejudice: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3742 PSY 3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 PSY 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, PPE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 PSY 3(3,0)

SOP 5059 PSY 3(3,0)
Advanced Social Psychology: PR: SOP 3004, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020 HPA-SOWK 3(3,0)
CAREERS IN SOCIAL CHANGE: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0)

SOW 3111 HPA-SOWK 3(3,0)

SOW 3203 HPA-SOWK 3(3,0)
Social Work & Community Resources: PR: Jr. Standing or C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.

SOW 3200 HPA-SOWK 3(2,1)

SOW 3352 HPA-SOWK 3(1,2)
Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: PR or C.R: SOW 3300. Study and practice of inter-viewing, group leadership, written communication, and group interaction. Focus on presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 204C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Social Work.

SOW 3520 HPA-SOWK 3(3,0)

SOW 3740 HPA-SOWK 3(3,0)
Social Work Practice with Loss & Life's Transitions: PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4232 HPA-SOWK 3(3,0)

SOW 4341 HPA-SOWK 1(3,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and support and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4431 HPA-SOWK 3(2,1)
Evaluating Social Work Practice and Service Programs: PR: SOW 3401, SOW 3300. The study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. Occasional.

SOW 4510 HPA-SOWK 9(0,28)
Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4512. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: SOW 3300 and SOW 3104 or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0)
Social Services for the Elderly: PR: SOW 3300, SOW 3104, or Gerontology Certificate Major or C.I. Development of interventional techniques for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW or C.I. The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0)

SOW 4673 HPA-SOWK 3(3,0)

SOW 4705 HPA-SOWK 3(3,0)

SOW 4706 HPA-SOWK 3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0)
Forensic Social Work Theory and Practice: PR: SOW 3104 or C.I. Introduction to the field of forensic social work, role of the social worker within the courts and criminal justice system. Occasional.

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

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SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving systems responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0)

SOW 5387 HPA-SOWK 3(3,0)
Nongovernmental Resource Development: PR: Admission to certificate program of C.I. Resource Development in nongovernment organizations, including board development and leadership, volunteer program development, staff development, grant writing, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0)
Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0)
Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded SU. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0)
Generalist Field Education II: PR: MSW. Continuation of SOW 5532. Generalist Field Education I in the same field agency for 224 clock hours. Graded SU. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded SU. Fall.

SOW 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded SU. Occasional.

SOW 5539 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded SU. Occasional.

SOW 5546 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded SU. Spring.

SOW 5565 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5535; 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 SU. Spring.

SOW 5566 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded SU. Occasional.

SOW 5567 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar III: PR: SOW 5566. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded SU. 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)

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 5652 HPA-SOWK 3(3,0)

SOW 5662 HPA-SOWK 3(3,0)
Strategies in Employer Assistance Programs: Techniques for establishing programs, and evaluating services to people with problems which affect job performance. Occasional.

SPA 3002 HPA-COM SC&DIS 3(3,0)

SPA 3011 HPA-COM SC&DIS 3(3,0)
Speech Science I: Production: PR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&DIS 1(0,1)
Speech Production lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustical measurement of speech production Graded SU. Fall, Spring.

SPA 3101 HPA-COM SC&DIS 3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104 HPA-COM SC&DIS 3(3,0)

SPA 3112 HPA-COM SC&DIS 3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual rendition of standard speech patterns and regional dialects. Fall, Spring.

SPA 3112L HPA-COM SC&DIS 1(0,1)

SPA 3123 HPA-COM SC&DIS 3(3,0)

SPA 3471 HPA-COM SC&DIS 3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 3632 HPA-COM SC&DIS 3(3,0)
Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2510 or C.I. Speech, language, and hearing problems in the DHH population, including etiology, pathology, and management of hearing disorders. Occasional.

SPA 4032 HPA-COM SC&DIS 3(3,0)

SPA 4056C HPA-COM SC&DIS 5(3,2)
Clinical Methods in Communication Disorders: PR: SPA 4476 or SPA 4400. Principles and techniques of case management with emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours. Fall, Spring.

SPA 4201 HPA-COM SC&DIS 3(3,0)
Articulation And Phonological Disorders: PR: SPA 3001. PR: SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional M&S fee: $15.00

SPA 4241 HPA-COM SC&DIS 3(3,0)

SPA 4321 HPA-COM SC&DIS 3(3,0)

U.S. News & World Report
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>SPA 4400</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.</td>
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<tr>
<td>SPA 4476</td>
<td>HPA-COM SC&amp;DIS 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.</td>
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<tr>
<td>SPA 4478</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Multicultural Aspects of Communication Disorders &amp; Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.</td>
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<tr>
<td>SPA 4501L</td>
<td>HPA-COM SC&amp;DIS 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4056C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>SPA 4555</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Counseling in Communication Disorders: PR: SPA 4500C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.</td>
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<tr>
<td>SPA 4580</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.</td>
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<tr>
<td>SPA 4634</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.</td>
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<tr>
<td>SPA 4803</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.</td>
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<tr>
<td>SPA 4870C</td>
<td>HPA-COM SC&amp;DIS 3(2,1) Capstone Course: PR: or CR: SPA 4056C and senior status. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.</td>
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<tr>
<td>SPA 4948</td>
<td>HPA-COM SC&amp;DIS 3(0,3) Community Internship: PR: SPA 4056C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.</td>
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<tr>
<td>SPA 5473</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.</td>
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<tr>
<td>SPA 5554</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.</td>
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<tr>
<td>SPA 5564</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.</td>
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<tr>
<td>SPB 3003</td>
<td>BA-BUS 3(3,0) Introduction to Sport Business Management: PR: Admission to a business major. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.</td>
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<td>SPB 3503</td>
<td>BA-BUS 3(3,0) Ethics in Sport Business: PR: SPB 3003. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.</td>
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<tr>
<td>SPB 4104</td>
<td>BA-BUS 3(3,0) Intercollegiate Sport Industry: PR: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.</td>
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<tr>
<td>SPB 4204</td>
<td>BA-BUS 3(3,0) Professional Sport Industry: PR: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.</td>
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<tr>
<td>SPB 4304</td>
<td>BA-BUS 3(3,0) Sports Event and Facility Management: PR: SPB 3003. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.</td>
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<tr>
<td>SPB 4704</td>
<td>BA-BUS 3(3,0) Sport Business Strategy: PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.</td>
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<tr>
<td>SPC 1603</td>
<td>COS-COMM 3(3,0) Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.</td>
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<tr>
<td>SPC 3301</td>
<td>COS-COMM 3(1,2) Interpersonal Communication: Nature of the communication process, variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. Fall, Spring.</td>
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<tr>
<td>SPC 3425C</td>
<td>COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: COM 3111. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.</td>
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<tr>
<td>SPC 3445</td>
<td>COS-COMM 3(3,0) Leadership Through Oral Communication: PR: COM 3120 and COM 3130 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall.</td>
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<tr>
<td>SPC 3513</td>
<td>COS-COMM 3(1,2) Argumentation and Debate: PR: SPC 1608 or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.</td>
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<tr>
<td>SPC 3602</td>
<td>COS-COMM 3(1,2) Advanced Public Speaking: PR: SPC 1608C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. Occasional.</td>
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<td>SPC 4246</td>
<td>COS-COMM 3(3,0) Group Dynamics: PR: COM 3111. Human behavior in group situations. Fall, Even Spring.</td>
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<td>SPC 4540</td>
<td>COS-COMM 3(3,0) Attitudes and Communication: PR: COM 3111. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.</td>
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<td>SPM 3130</td>
<td>ED-CFCS 3(3,0) Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.</td>
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<td>SPM 3204</td>
<td>ED-CFCS 3(3,0) Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.</td>
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<td>SPM 3415</td>
<td>ED-CFCS 3(3,0) Public Relations in Sports and Fitness: PR: Admission to program or C.I. Functions and responsibilities of a public relations professional or department and the interaction with the public and media representatives with specific application to sports and fitness professionals. Fall.</td>
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UCF Courses and Descriptions

SPM 3504 ED-CFCS 3(3,0)
Fiscal and Facilities: Issues in Sports and Fitness: PR: Admission to program or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on fiscal management. Fall.

SPM 4723 ED-CFCS 3(3,0)
Legal Issues in Sports and Fitness: PR: Admission to program or C.I. Examination of the legal issues and problems encountered by sports and fitness professionals. Fall.

SPM 5155 ED-CFCS 3(3,0)
Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-CFCS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1121C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or SPN 1121H and Consent of Honors. 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 I: 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)
Spanish Conversation I: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 2511 CAH-LANG 3(3,0)
Modern Spanish Civilization Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

SPN 3140 CAH-LANG 3(3,0)
Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.

SPN 3141 CAH-LANG 3(3,0)

SPN 3142 CAH-LANG 3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Fall, Spring.

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 2301 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3343 CAH-LANG 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPN 3345 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

SPN 3402 CAH-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3420 CAH-LANG 3(3,0)
Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3512 CAH-LANG 3(3,0)
Contemporary Spanish Culture Abroad: PR: SPN 2240 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3852 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latín American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.
**SPN 4800** CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginnings to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

**SPN 4801** CAH-LANG 3(3,0) Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphosyntax, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

**SPN 5502** CAH-LANG 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

**SPN 5505** CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

**SPN 5506** CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

**SPN 5705** CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

**SPN 5825** CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. The course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

**SPN 5845** CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

**SPN 5920** CAH-LANG 3(3,0) AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

**SPT 3800** CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

**SPT 3805** CAH-LANG 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

**SPT 3809** CAH-LANG 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

**SPT 3831** CAH-LANG 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.

**SPT 4801** CAH-LANG 3(3,0) Spanish Translation Practicum: PR: SPT 3800. Development of translation and interpretation skills in a professional environment. Concentration in legal, medical, and business areas. Occasional.

**SPW 3000** CAH-LANG 3(3,0) Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

**SPW 3100** CAH-LANG 3(3,0) Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

**SPW 3101** CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

**SPW 3130** CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

**SPW 3131** CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

**SPW 3230** CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor’s technique and practice in Spanish. Short scenes will be performed in class. Occasional.


**SPW 3370** CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

**SPW 4272** CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

**SPW 4310** CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3101 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Naroc, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

**SPW 4322** CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the most prominent Spanish tendencies in contemporary Iberian theatre. Occasional.

**SPW 4364** CAH-LANG 3(3,0) Latin-American Narrative Essay: PR: SPW 3100 or SPW 3130 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

**SPW 4381** CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3101 or SPW 3130 or SPW 3313 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

**SPW 4382** CAH-LANG 3(3,0) Central American Literature: PR: SPW 3101 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

**SPW 4450** CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C. I. A study of textual criticism with emphasis in the theory of genre. Occasional.

**SPW 4460** CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

**SPW 4604** CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

**SPW 4720** CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

**SPW 4730** CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

**SPW 4770** CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

**SPW 4772** CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

**SPW 4773** CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3310 and SPW 3311. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

**SPW 5741** CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

**SSE 3312** ED-TLP 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-TLP 4(4.0)
Social Science Instructional Analysis: PR: EDG 4323 or C.I.; CR: ESE 3940 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-TLP 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, Spring.

SSE 5115 ED-TLP 3(3.0)
Methods in Elementary School Social Science: PR: EDG 4323. Study of instructional programs in social sciences; objectives; materials; techniques; current research; and their application in elementary school setting. Fall, Spring.

SSE 5391 ED-TLP 3(3.0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TLP 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 problematic areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TLP 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 programs in social science education and related scholarship; development of an inquiry about the interaction 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 variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2.1)
Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3.0)
Statistical Methods I: PR: MAC 1105 OR MAC 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3.0)
Honors Statistical Methods I: PR: Permission of Honors; Calculus desired but not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3.0)
Probability and Statistics for Engineers: PR: MAC 2512. Assumptions of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3.0)
Honors Probability and Statistics for Engineers: PR: MAC 2512 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3.0)

STA 4102 COS-STAT 3(3.0)
Computer Processors of Statistical Data: PR: STA 4101 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 STA 3102. Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

STA 4131 COS-STAT 3(3.0)

STA 4163 COS-STAT 3(3.0)
Statistical Methods II: PR: STA 2023 or STA 3092. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3.0)
Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3.0)

STA 4183 COS-STAT 3(3.0)
Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3.0)
Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(3.0)

STA 4187 COS-STAT 3(3.0)

STA 4222 COS-STAT 3(3.0)

STA 4321 COS-STAT 3(3.0)
Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4322 COS-STAT 3(3.0)

STA 4502 COS-STAT 3(3.0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.

STA 4504 COS-STAT 3(3.0)
Categorical Data Analysis: PR: STA 4163 or STA 4165. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. Occasional.

STA 4641 COS-STAT 3(3.0)

STA 4664 COS-STAT 3(3.0)

STA 4672 COS-STAT 3(3.0)

STA 4675 COS-STAT 3(3.0)

STA 4676 COS-STAT 3(3.0)

STA 4852 COS-STAT 3(3.0)

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 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.

STA 5085 COS-STAT 3(3.0)
UCF Courses and Descriptions

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. Exact credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5175 COS-STAT 3(3,0) Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA, regression; ordination; classification. Spring.

STA 5176 COS-STAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model/replicated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206, or ESI 5210, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-STAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5646 COS-STAT 3(3,0) Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Reinsurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. 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, analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.

STA 5948 COS-STAT 3(3,0) Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice: discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.

SUR 2101C ECS-CEE 3(2,3) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.

SUR 3324C ECS-ENT 3(3,1) Digital Cartography: PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production. Occasional.

SUR 3331 ECS-ENT 3(3,0) Photogrammetry: PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object spaces, stereoscopy and parallax, and topographic mapping. Occasional.

SUR 3530C ECS-ENT 3(2,2) Geodetic Science: PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetic reference systems and earth models, state plane coordinates, astronomical observations, time systems, and satellite orbits. Spring.

SUR 3641 ECS-ENT 3(3,0) Geospatial Computations: PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, partial differentiation, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis. Occasional.


SUR 4403 ECS-ENT 3(3,0) Boundary Location: PR: ETD 3350C or C.I. Professional liability, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence & preservation of evidence, easements, and role of surveyor in court. Occasional.


SUR 4463 ECS-ENT 3(3,0) Land Subdivision and Platting: PR: SUR 4420. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geometric, and plat design specification. Occasional.


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 mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 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 collection, 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 management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 4(3,2) Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.


SYA 5625 COS-SOC 3(3,0) ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYA 5652 COS-SOC 3(3,0) Advanced Population: PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.


SYD 3700 COS-SOC 3(3,0) Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYD 3751</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.</td>
</tr>
<tr>
<td>SYD 3752</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sex and Gender in Society: C.I. PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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. Occasional.</td>
</tr>
<tr>
<td>SYD 4514</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Environmental Movement: PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. Occasional.</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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 politics). Fall, Spring.</td>
</tr>
<tr>
<td>SYD 5517</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYD 5795</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 2000H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 2015</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Modern Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 2040</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 2040H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 3000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Contemporary Society: PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary society. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. Occasional.</td>
</tr>
<tr>
<td>SYG 3000H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 3040</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
</tr>
<tr>
<td>SYG 3510</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYG 3751</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYG 3949</td>
<td>COS-SOC</td>
<td>0(0,8)</td>
<td>Cooperative Education in Sociology: PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>SYO 3000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Contemporary Sociology: PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary society. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. Occasional.</td>
</tr>
<tr>
<td>SYO 3000H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYO 3360</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.</td>
</tr>
<tr>
<td>SYO 3360H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYO 3410</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYO 3410H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYO 3530</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYO 3530H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
</tr>
<tr>
<td>SYO 3540</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociology of Law: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and economic consequences, jury selection, and modern trends. Occasional.</td>
</tr>
<tr>
<td>SYO 3551</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Alcoholism in Society: PR: SYG 2000 or C.I. Introduction to the nature of alcoholism and review of its impact on society. Occasional.</td>
</tr>
<tr>
<td>SYO 3562</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Domestic Violence in Society: PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. Occasional.</td>
</tr>
<tr>
<td>SYO 3602</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYO 3630</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYO 3660</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Change: PR: SYG 2000 or SYG 2010 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>SYO 4000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociological Social Psychology: PR: SYG 2000 or C.I. Study of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes. Occasional.</td>
</tr>
</tbody>
</table>
THE 5248 CAH-THEA 3(3,0)  
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese opera to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5278C CAH-THEA 1(1,1)  
Practical projects in scenic construction. Styles, footnotes, and bibliographic forms. by students to conduct research to include organization, theatre. Practice knowledge, skills and techniques needed and development of dramatic literature for children.

TPA 2210 CAH-THEA 3(3,0)  

TPA 2290L CAH-THEA 1(0,VAR)  
Theatre Practicum I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.

TPA 2210L CAH-THEA 1(0,6)  
Stagecraft I Lab: PR: or CR: “C” (2.0) or better in TPA 2210. Practical projects in scenic construction. Occasional. M&S fee: $45.00

TPA 2211 CAH-THEA 3(1,6)  
Stagecraft II: PR: “C” (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.

TPA 2211L CAH-THEA 1(0,6)  
Stagecraft II Lab: PR: “C” (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.

TPA 2220C CAH-THEA 3(2,2)  
Stage Electronics: 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. Fall. M&S fee: $29.50

TPA 2230C CAH-THEA 3(2,2)  
Costume Construction: PR: THE 2020 or THE 2000; and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring. M&S fee: $15.00

TPA 2248C CAH-THEA 2(2,2)  
Makeup Techniques: PR: BFA major or departmental consent. Theory and practice of stage makeup. Spring. M&S fee: $15.00

TPA 2290L CAH-THEA 1(0,VAR)  
Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 10 times. Fall. M&S fee: $25.00

TPA 2600 CAH-THEA 3(3,0)  
Stage Management Basics: PR: “C” (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.

TPA 3040C CAH-THEA 3(2,2)  
Costume Design for Theatre I: PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. Fall.

TPA 3060C CAH-THEA 3(2,2)  
Scenic Design for Theatre I: PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of scenic design for the stage. Fall. M&S fee: $37.00

TPA 3077C CAH-THEA 3(2,2)  
Scenic Painting: PR: “C” (2.0) or better in TPA 2000C and TPA 2071C. Projects in scenic painting techniques. M&S fee: $45.00

TPA 3195L CAH-THEA 3(0,VAR)  
Summer Theatre Studio/TechDesign I: PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional. M&S fee: $20.00

TPA 3197L CAH-THEA 1(0,VAR)  
Summer Theatre Studio/TechDesign II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. Occasional. M&S fee: $20.00

TPA 3221C CAH-THEA 3(2,2)  
Lighting Design for Theatre I: PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&S fee: $77.00

TPA 3249C CAH-THEA 2(2,2)  
Advanced Makeup Techniques: PR: “C” (2.0) or better in TPA 2248C. Lecture laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional M&S fee: $45.00

TPA 3260C CAH-THEA 3(2,2)  
Sound Design for Theatre I: PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.

TPA 3383C CAH-THEA 2(2,4)  
Topics in Technical Theatre: PR: TPA 2200C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $25.00

TPA 3601 CAH-THEA 3(3,0)  
Stage Management: PR: “C” (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.

TPA 4041C CAH-THEA 3(2,2)  
Costume Design for Theatre II: PR: “C” (2.0) or better in TPA 3340C. A continuation of TPA 3040C. Spring.

TPA 4061C CAH-THEA 3(2,2)  
Scenic Design for Theatre II: PR: “C” (2.0) or better in TPA 3340C. Project scenic design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&S fee: $37.00

TPA 4224C CAH-THEA 3(2,2)  
Lighting Design for Theatre II: PR: “C” (2.0) or better in TPA 3340C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. Occasional. M&S fee: $37.00

TPA 4250C CAH-THEA 2(2,2)  
CADD for Theatre: PR: “C” (2.0) or better in TPA 2211 and TPA 2211L. Computer-aided drafting and design and its application for Theatre. Fall. M&S fee: $20.00

TPA 4251C CAH-THEA 2(2,2)  
Advanced CADD for Theatre: PR: “C” (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee: $38.75

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 2200L. 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 4354L CAH-THEA 1(0,VAR)  
Theatre Participation-Production III: PR: “C” (2.0) or better in TPA 2201. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall. Spring. M&S fee: $15.00

UCF Courses and Descriptions
TPA 4401C CAH-THEA 3(2,2)  
Theatre Careers in Production: PR: B.F.A. DesignTech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0)  
Advanced Stage Management I: PR: B.F.A. Stage Management major. C (2.0) or better required in TPA 3801. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2)  
Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2)  
Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2)  
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,3)  
Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)  

TPA 5095C CAH-THEA 1(1,1)  
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)  

TPA 5345C CAH-THEA 2(2,2)  
2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2)  
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.

TPA 5405 CAH-THEA 3(3,0)  
Theatre Management for Non-Majors: PR: THE 200 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 system/performance as they relate to the theatre organizations/ institutions. Fall.

TPA 5885C CAH-THEA 2(2,2)  
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee: $30.00

TPA 5946C CAH-THEA 1(0,20)  
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)  
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. Occasional.

TPP 2101 CAH-THEA 3(3,0)  
Fundamentals of Acting II: PR: B.A. Theatre Major or minor, and C (2.0) or better in THE 2000 or THE 2020. Development of imagination, self-awareness, and the ability to execute basic stage tasks. Fall, Spring.

TPP 2110C CAH-THEA 2(2,2)  

TPP 2170C CAH-THEA 2(2,2)  
Acting II -The Actor Prepares: PR: “C” (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185 CAH-THEA 3(3,0)  
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 2190L CAH-THEA 1(0,VAR)  
Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring. M&S fee: $15.00

TPP 2260 CAH-FILM 3(3,0)  
Acting for Film: PR: Film Majors. An introduction to acting for the camera. Occasional.

TPP 2700C CAH-THEA 3(2,2)  
Stage Speech/Voice: PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards B.A acting and musical theatre majors. Fall.

TPP 2710C CAH-THEA 2(2,1)  

TPP 3103 CAH-THEA 3(3,0)  
Intermediate Acting: PR: B.A. Theatre major or minor and C (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. Occasional.

TPP 3172C CAH-THEA 2(2,2)  
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197L CAH-THEA 3(0,VAR)  
Summer Theatre/Performance: PR: Audition/interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 3250 CAH-THEA 3(2,2)  
Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA 3(2,0)  
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 major, and C (2.0) or better in TPP 2101, TPP 3103, and THE 3122. Craft of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3264C CAH-THEA 3(3,2)  
Acting on Camera: PR: BA Theatre Major; 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/visualiza- tion, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)  
Movement for the Actor I: PR: B.F.A Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3512C CAH-THEA 2(2,1)  
Stage Combat: PR: Grade of C (2.0) or better required in TPP 3511C. Stage combat with emphasis on hand-to-hand combat. 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 3711C CAH-THEA 2(2,1)  
Voice Production II: PR: “C” (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA 2(2,1)  
Voice Production III: PR: “C” (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3730C CAH-THEA 2(2,1)  
Voice Production IV: PR: Grade of C (2.0) or better required in TPP 3712C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Fall.

TPP 3952L CAH-THEA 3(0,VAR)  
Studio Performance: PR: Audition/interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 4140C CAH-THEA 3(2,2)  
Acting IV - Creating the Role: PR: “C” (2.0) or better in TPP 3172C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)  
Acting V - Verse: PR: Grade of C (2.0) or better in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Spring.

TPP 4143C CAH-THEA 3(2,2)  
Acting Styles: PR: “C” (2.0) or better in TPP 3513C 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 2200L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (3.0) or better in TPP 3015 or TPP 4140C. Selecting monologues, auditioning techniques and cold readings. Occasional.

TPP 4223C CAH-THEA 3(2,2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2)
The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3256C. Advanced work in character-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259C CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3252 and TPP 3256C. Advanced diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(2,2)
Acting VI - Acting for TV/Film: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Fall.

TPP 4268C CAH-THEA 3(2,2)
Acting VII Advanced Acting For TV/Film: PR: "C" (2.0) or better in TPP 4268C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4270C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,2)

TPP 4531C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4746C CAH-THEA 2(2,2)

TPP 4923C CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4259C. Continuation of diagnosis and development of the singing voice using methods in context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)

TPP 5125C CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous directed play and the exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio II: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio I: PR: TPP 5156C. Advanced scene study course applying methodologies to the works of modern (1850+) European playwrights with emphasis on the works of Ibsen/Chékhov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3,3)
Directing for Young Audiences: PR: THE 5190 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0)
Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmored combat. Spring.

TPP 5545C CAH-THEA 2(2,4)
Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1)
Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1)
Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0)
Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LAN 3(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Admission to College of Education Master of Arts Program or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LAN 3(3,0)

TSL 5085 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LAN 3(3,0)
ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TLP 3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LAN 3(3,0)
Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LAN 3(3,0)
Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.
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 neuroscience. Occasional.

ZOO 4747C COM-M&M  4(3,1)  
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4747H COM-M&M  4(3,1)  
Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.

ZOO 4753C COM-M&M  4(3,3)  
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&S fee: $25.00

ZOO 4754C 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 5456C COS-BIOL  4(2,6)  
Ichthyology: PR: ZOO 4310C, and graduate status or senior standing 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: PCB 3044 or PCB 4683 or equivalent. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee: $15.00

ZOO 5475L COS-BIOL  3(0,6)  
Field Ornithology: PR: PCB 3044 and graduate standing 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 5486C COS-BIOL  4(2,6)  
Mammalogy: PR: 6 hours of Zoology, and graduate status or senior standing, or C.I. Introduction to the biology of mammals, their classification, evolution, and life histories. Occasional. M&S fee: $15.00

ZOO 5745C COM-M&M  4(3,3)  
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 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
BLACKWELL, CHRISTOPHER, Assistant Professor, College of Nursing (2004), B.S.N., M.S.N., Ph.D. (University of Central Florida)

BLAIR, RICHARD, Assistant Professor of Chemistry (2007), B.S., M.S., Ph.D. (University of California at Los Angeles)

BLAIR, TIMOTHY R., Professor of Education (1991), B.S., M.S., Ph.D. (University of Illinois)

BLANES, MARIA, Associate Professor of Education (1997), B.A., M.S.Ed., Ph.D. (University of Florida)

BLEDSOE, CAROL, Instructor of Communication (1970), B.A., M.A. (University of Oklahoma)

BLENCKE, CARL, Visiting Instructor of Management (2006), A.B., M.B.A. (Monmouth University)

BLESING, LEWIS, Instructor of Education (2006)

BOBEK, DONNA D., Assistant Professor of Accounting (1997), B.B.A., Ph. D. (University of Florida)

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BOGUMIL, WALTER A., JR, Associate Professor of Management (1972), B.S., M.B.A., Ph.D. (University of Georgia)

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BOOTE, DAVID N., Associate Professor of Education (2000), B.Ed., B.I.S., M.A. Ph.D. (Simon Fraser University, British Columbia, Canada)

BORDE, STEPHEN F., Associate Professor of Finance (1994), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)

BOREMAN, GLENN D., Professor, School of Electrical Engineering and Computer Science and Secondary Joint Appointment as Professor, Mechanical, Materials, and Aerospace Engineering (1984), B.S., M.S., Ph.D. (University of Arizona), P.E. (Florida)

BORDERI, RICHARD, Instructor of Marketing (2001), B.S., M.B.A. (Ohio University)

BOST, DAVID W., Chair and Professor of Biology (2005), B.A., M.A., Ph.D. (UCLA)

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BOTTORF, TIMOTHY J., Head, Universal Orlando Foundation Library at Rosen and Assistant Librarian (2004), B.A., M.L.I.S. (University of Pittsburgh)

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BOWDON, MELODY A., Associate Professor of English (1999), B.A., M.A., Ph.D. (University of Arizona)

BOWERS, CLINT, Professor of Psychology (1994), B.S., M.A., Ph.D. (University of South Florida)

BOWIE, DAVID F., Assistant Professor of English (2003), B.A., Ph.D. (University of Pennsylvania)

BOYD, BELINDA, Associate Professor of Theatre (2002), B.S., M.F.A. (University of Louisville)

BOZEMAN, MARY DEE, Assistant Librarian (2006), B.A., M.L.S. (University of Wisconsin)

BOZEMAN, WILLIAM C., Professor of Education (1985), B.A., M.Ed., Ph.D. (University of Wisconsin)

BRADFORD, RALPH E., Instructor of Political Science (1998), B.A., M.A. (University of Central Florida)

BRAY, PRISCILLA V., Instructor of English (1984), B.A., M.A. (University of Central Florida)

BRAZEL, NANCY, Instructor of Education (1999), B.S., M.Ed. (University of Central Florida)

BRAUN, BRADLEY M., Associate Professor of Economics (1986), B.S., M.A., Ph.D. (Tulane University)

BREITER, DEBORAH, Chair, Department of Tourism, Events, and Attractions, Professor of Convention and Conference Management and Professor of Hospitality Management (2000), B.A., M.P.S., Ph.D. (University of South Carolina)

BRENNAN, JOSEPH P., Associate Professor of Mathematics and Secondary Joint Associate Professor, NanoScience Technology Center (2008), Ph.D. (University of Illinois at Urbana-Champaign, 1994)

BREWER, THOMAS, Professor of Education (1996), B.A., M.A., Ph.D. (Florida State University)

BRICE, ROANNE, Assistant to the Chair (2004), B.A., M.A., Ph.D. (University of Central Florida)

BRITT, DANIEL, Associate Professor of Physics (2003), Ph.D. (Brown University)

BRODIE, LYMAN A., Associate Dean, College of Arts & Humanities and Professor of Music (1990), B.M.E. (University of North Texas)

BRODKIN, LORI, Instructor of English (2007), B.A., M.A., Ph.D. (New Mexico State University)

BROPHY, JAMES C., Lecturer of Psychology (2006), B.A., Ph.D. (Vanderbilt University)

BROTHERON, MARK W., Associate Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)

BROWN, JAMES C., Assistant Professor of Theatre (2001), B.F.A., M.F.A. (San Diego State University)

BROWN, TIMOTHY F., Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (University of South Carolina)

BRUECKNER, THOMAS, Lecturer of Physics (2004), M.S., Ph.D. (Montana State University)


BRUNSON, RICK, Instructor of Communication (2003), B.A., M.A. (University of South Florida)

BRYER, THOMAS, Assistant Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)

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BUNN, SUZAN, Internship Coordinator/Instructor (2006), B.A., M.S. M (University of Central Florida)
BURRIS, JOHN, Visiting Instructor of Humanities (2005), B.A., M.A., Ph.D. (University of California, Santa Barbara)
BURROUGHS, DANIEL, Research Professor of Engineering Technology (2002), B.S. (Dartmouth College)
BUSKY, ANGELINE A., Bert Fish Eminent Chair and Professor, College of Nursing (1989), R.N., F.A.A.N., M.N., Ph.D. (University of Texas at Austin)
BUTLER, JOHN F., Associate Professor of Communication (1971), B.A., M.A., Ph.D. (University of Florida)
BUTLER, S. KENT, Associate Professor of Education (2007), B.A., M.A., Ph.D. (The University of Connecticut)
BYERS, JACQUELINE, Professor, College of Nursing (1996), R.N., F.A.A.N., Ph.D. (University of Florida)
BYRD, ANTHONY K., Visiting Instructor of Philosophy (2005), Ph.D. (Purdue University)
CELESTE, STEVEN, Professor of Military Science (2005), B.S., M.S. (University of Miami)
CAMPAGNOSI, MARIO, Professor of Biochemistry (2003), B.S., M.A., Ph.D. (University of Florida)
CAMPAGNOSI, MARIO, Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)
CAMPBELL, JAMES, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Notre Dame)
CAMPILLO, ANDRES, Graduate Coordinator and Associate Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)
CAMPINS, HUMBERTO, Professor of Physics (2003), Ph.D. (University of Arizona)
CANAN, PENEOPO, Professor of Sociology (2006), A.B., M.A., Ph.D. (University of Denver)
CANNON, JOHN R., Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)
CANNON-BOWERS, JANICE, Associate Professor of Digital Media (2003), B.A., M.A., Ph.D. (University of South Florida)
CAPURSO, MARIA G., Lecturer of Mathematics (2007), Ph.D. (University of Delaware, Newark, Delaware)
CARBONE, THOMAS, Research Associate, FIEA (2005), B.S., M.S. (University of Utah)
CARDULLO, VICKY, Instructor of Education (2006)
CARSON, CECYLE, Associate Professor of Communication Sciences and Disorders (2004), B.S., M.S., Ph.D. (Wichita State University)
CARTA, ROBERTO, Assistant Professor of Statistics (2005), B.S., M.S., Ph.D. (Carnegie Mellon University)
CARTER, J. SCOTT, Assistant Professor of Sociology (2007), B.A., M.S., Ph.D. (University of South Carolina)
CARTER, SHANNON, Visiting Assistant Professor Of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)
CASE, LYNN, Head, Cataloging Service and Assistant Librarian (2000), B.A., M.L.I.S. (University of South Florida)
CASH, MASON, Assistant Professor of Philosophy (2003), B.S., Dip.Hum, M. Phil, Ph.D (University of Alberta)
CASMIR-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)
CASSANELLO, ROBERT V., Assistant Professor of History (2007), B.A., M.A., Ph.D. (Florida State University)
CASSI, JEFFREY, Professor of Psychology (2007), M.A., Ph.D. (University of Florida)
CATAS, NECATI, Assistant Professor of Engineering (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati)
CATO, FARIDA M., Instructor of English (2002), B.A., M.A. (University of Central Florida)
CELESTE, STEVEN, Assistant Professor of Military Science (2008), B.S.
CHAI, KARL X., Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)
CHAKRABARTI, DEBOHAMI, Associate Professor of Molecular Biology and Microbiology; Secondary Joint, Biomolecular Sciences center (1999), Ph.D. (University of Calcutta-Bose Institute)
CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology; Secondary Joint, Biomolecular Science Center (1999), Ph.D. (University of Calcutta)
CHAN, SIC LUNG, Assistant Professor, Biomolecular Science Center (2005), Ph.D. (McGill University)
CHANDLER, ROBERT C., Director and Professor of Communication (2008), B.A., M.A., Ph.D. (University of Kansas)
CHANG, NIO-BIN, Professor of Engineering (2005), B.S.C.E., M.S.E., Ph.D. (Cornell University), P.E. (Texas)
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CHOUHOURY, SUJIDPO R., Professor of Mathematics (1990), B.S., M.S., Ph.D. (Cornell University)
CHOW, LEE, Professor of Physics and Secondary Joint Professor, Mechanical, Materials, and Aerospace Engineering (1983), B.S. Ph.D. (Clark University)
CHOW, LOUIS C., Professor of Mechanical, Materials, and Aerospace Engineering (1996), A.B., M.S., Ph.D. (University of California, Berkeley)
CHRISTENSEN, BRYCE, Professor of Military Science, Training NCO (2008), M.A.
CHRISTODOLIDES, DEMETRIOS N., PREP Professor of Optics (2002), B.S., Ph.D. (John Hopkins University)
CINTRON, ROSA, Associate Professor of Education (2006), B.A., M.A., Ph.D. (Florida State University)
CIRCLE, DARLENE, Instructor of Education (2001), B.S., M.S. (Nova Southeastern University)
CLARK, JAMES, Instructor of History (1986), B.A., M.A., Ph.D. (University of Florida)
CLAYTON, THOMAS L., Associate Professor of Mathematics (2001), B.S., M.S., Ph.D. (University of Miami)
CLAUSEN, CHRISTIAN A., III, Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)
COELLI, ROBERT, Senior Training NCO (2008), COFFEY, KEVIN, Associate Professor of Engineering (2002), B.S., B.S., M.S., Ph.D (MIT)
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DIVO, EDUARDO, Assistant Professor of Engineering Technology and Secondary Joint Assistant Professor of Mechanical Engineering (2003), B.S., M.S., Ph.D. (University of Central Florida)

DIXON, DONOVAN, Lecturer of Chemistry (2006), B.S., Ph.D. (University of the West Indies)

DIXON, GEORGE J., Assistant Professor of Engineering (1989), B.S., B.S., M.S., Ph.D. (University of South Florida)

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DOWLING, SPENCER, Assistant Professor of History (2001), B.A., M.A., Ph.D. (University of North Carolina)

DRAVES, KRISAN, Instructor, College of Nursing (2006), A.R.N.P., M.S.N. (University of Central Florida)

DREILINGER, GILLIAN, Instructor of Communication Sciences and Disorders (1989), B.S., M.S. (Texas Tech University)

DUBEY, ARCHANA, Lecturer of Physics (2002), Ph.D. (Bhavanagar University)

DUCARME, ALFRED, Assistant Professor of Engineering Technology (2003), B.S., M.S., Ph.D. (University of Central Florida)

DUKE, JEFF, Instructor of Education (2002), B.S., M.S., Ed.D. (Florida State University)

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DUNN, MICHAEL E., Associate Professor of Psychology (1996), B.S., Ph.D. (University of South Florida)

DUNN, STACEY T., Associate Professor of Psychology (1996), B.A., Ph.D. (University of South Florida)

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DUPUIS, MARTIN, Associate Professor of Political Science (2006), B.A., M.A. J.D., Ph.D. (University of Southern California)

DURANCEAU, STEVEN, J., Associate Professor of Engineering (2007), B.S., M.S., Ph.D. (University of Central Florida), P.E (Florida)

DUSSEAU, MICHELLE, Instructor of Communication (2002), B.A., M.A. (Rollins College)

DUTKAY, DORIN, Assistant Professor of Mathematics (2006), Ph.D. (University of Iowa)

DUTTON, RONALD D., Professor School of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)

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EASTEP, MARY ANN, Coordinator Undergraduate Studies, Internship Coordinator and Instructor of Criminal Justice (1996), B.A., M.S., Ph.D. (Florida Atlantic University)

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EFTHIMIOU, COSTAS, Assistant Professor of Physics (2002), Ph.D. (Cornell University)

EHREN, BRENDIA, Professor of Communication Sciences and Disorders (2007), B.A., M.S., Ed.D (Florida Atlantic University)

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ELLIS, E. TAYLOR, Associate Dean, Undergraduate Programs, and Associate Professor of Hospitality Management (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)

ELSHEIMER, SETH R., Associate Professor of Chemistry (1989), B.A., Ph.D. (University of Florida)

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ENGEHART, DEIDRE, Instructor of Education (1996), B.A., M.Ed. (University of Central Florida)

ERGLE, ROBERTA, Instructor of Education (2003), B.A., M.A. (University of Florida)


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EVANS, DOUG, Instructor of Humanities (1998), B.A., M.A, Ph.D. (Florida State University)

EVERETT, JR., ROBERT M., Associate Professor of Education (1990), B.S., M.S., Ph.D. (University of Southern Mississippi)

EZELL, DAN, Associate Professor of Education (1997), Ed.D. (University of Alabama)

FABERY, DIN A., Instructor of Spanish (1996), B.A., M.A. (University of South Carolina)

FABIANIC, DAVID A., Professor of Criminal Justice (1985), B.A., M.S., Ph.D. (University of Iowa)

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FARCAU, BRUCE, Visiting Lecturer of Political Science (2007), B.A., M.A., Ph.D. (Georgetown University)

FARLESS, PATRICIA, Instructor of History (1997), B.A., M.A. (University of Central Florida)

FATHPOUR, SASAN, Assistant Professor of Optics and Secondary Joint Professor of Electrical and Computer Engineering (2003), B.S., M.S., Ph.D. (University of Michigan)

FAUTH, JOHN E., Associate Professor of Biology (2003), Ph.D. (Duke University)

FEDORKA, KENNETH M., Assistant Professor of Biology (2005), B.S., Ph.D. (University of South Carolina)

FELDHEIM, MARY ANN, Interim Chair, Associate Professor of Public Administration (1997), B.S., M.S.N., Ph.D. (Florida Atlantic University)

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FINCH, RANDY, Associate Professor (2005), B.A., J.D. (Fordham University School of Law)

FINE, TERRI S., Associate Professor of Political Science (1989), B.A., M.S., Ph.D. (University of Connecticut)

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GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Arkansas)
GOSNELL, SUSAN, Instructor of Health Sciences (Radiologic Sciences) (1999), B.S., M.S. (Florida Institute of Technology)
GOTTSERNE, MELINDA A, Instructor Librarian (2008), B.A., M.L.S. (Indiana University)
GOU, JINHUA, Professor of Management Information (2005), B.A., M.A., Ph.D. (University of Colorado)
GRAHAM, RITA, Associate Professor of Electrical Engineering (2007), B.S., M.S. (University of Florida)
GRAHAM, RITA, Associate Professor of Electrical Engineering (2007), B.S., M.S. (University of Florida)
GROFF, AMANDA, Interim Instructor of Anthropology (2009), B.A., M.A. (University of Central Florida)
GROSS, ARIANA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)
GRULA, RICHARD, Lecturer of Film (2002), B.A.A., M.S. (University of Central Florida)
GUHA, ARUP, Lecturer School of Electrical Engineering and Computer Science (1999), B.S., M.S. (University of Wisconsin)
GUHA, RATAN K., Professor School of Electrical Engineering and Computer Science (1980), B.S., M.S., Ph.D. (University of Texas)
GUIMOND, MARY, Instructor, College of Nursing (2009), B.S.N., M.S.N. (University of Florida)
GUNDON, CYNTHIA, Instructor of Marketing (2000), B.S., M.B.A. (University of Central Florida)
GUNTER, GLENA, Associate Professor of Education (1996), B.S., M.A., Ph.D. (Mississippi State University)
GUPTA, PRANJAL, Assistant Professor of Marketing (2001), B.S.C., M.B.A., Ph.D. (Texas A&M University)
HAAAS, MARY ANN, Academic Administrator of Education (2008), B.S., M.S. (University of Central Florida)
HACIOMEROGLU, ERHAN, Assistant Professor of Education (2007), B.S., M.S., Ph.D. (Florida State University)
HADRIKA, DARLENE, Research Associate, Digital Media (2005), B.A. (Florida State University)
HAGAN, DAVID J., Associate Dean for Academic Programs & Professor of Optics (1987), B.S., Ph.D. (Herriot-Watt University)
HAGEN, SCOTT C., Associate Professor of Engineering (1997), B.S.E., Ph.D. (University of Notre Dame), P.E. (Florida)
HAGENDORN, W. BRYCE, Assistant Professor of Education (2007), Ph.D. (The University of North Carolina at Greensboro)
HAKH-S-HAUN, DEBBIE, Assistant Professor of Education (2003), B.A., M.A. M.S., Ph.D (The University of Alabama)
HALL, RICK, Research Associate, FIEA (2005), B.S. (Penn State)
HALL, SCOTT F., Associate Professor of Art (2000), B.F.A., M.F.A. (Washington University)
HALL, W. JOE, Associate Professor of Communication (1996), B.I.E., M.A., Ed.D. (University of Central Florida)
HAM, CHAN HO, Secondary Joint Appointment EECs (2006), Ph.D. (University of Central Florida)
HAMANN, KERSTIN, Associate Professor of Political Science (1995), M.A., M.A., Ph.D. (Washington University, St. Louis)
HAMPSON, MICHAEL D., Professor of Chemistry and Director of Interdisciplinary Studies (1981), B.S., Ph.D. (Texas Tech University)
HAN, DEUGUANG, Assistant Professor of Mathematics (1998), M.S., Ph.D. (Texas A&M University)
HAN, ZHONGXIAN, Assistant Professor of Actuarial Science (2003), B.S., M.S., Ph.D. (Ohio State University)
HANCOCK, PETER, Provost Distinguished Research Professor and Professor of Psychology (2001), B.Ed., M.Sc., Ph.D. (University of Illinois)
HANDBERG, ROGER B., JR, Chair and Professor of Political Science (1972), B.A., Ph.D. (University of North Carolina)
HANLON, CHRISTINE, Instructor of Communication (2003), B.A., M.A. (University of Central Florida)
HANNEY, WILLIAM, Instructor of Physical Therapy (2005), B.S., M.P.T., D.P.T. (University of St. Augustine for Health Sciences)
HANSON, KENNETH, Assistant Professor of Judaic Studies (2004), B.A., Ph.D. (University of Texas, Austin)
HARA, TADAYUKI, Associate Professor of Hospitality Management (2005), B.S., M.S., MBA, MPS, Ph.D. (Cornell University)
HALALAMBOUS, MICHAEL, Assistant Professor School of Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D (George Washington University)
HARRAN, KEVIN, Assistant Professor of Art (1995), B.A., B.F.A., M.F.A. (University of Tennessee at Knoxville)
HARDEN, BARBARALYN, Instructor of Communication Sciences and Disorders (2006), A.S., B.S., M.S. (University of Oregon)
HARPER, MARY, Instructor, College of Nursing (2007), B.S.N., M.S.N. (University of Central Florida)
HARRINGTON, JOSEPH, Assistant Professor of Physics (2006), B.S., Ph.D. (Massachusetts Institute of Technology)
HARRIS, CHRISTOPHER, Associate Professor of Film (2001), B.A., M.F.A. (School of the Art Institute of Chicago)
HARRIS, ELIZABETH, Instructor of Biology (2004), B.A., Ph.D. (Louisiana State University)
HARRIS, JUDY, Assistant Professor of Marketing (2001), B.B.A., Ph.D. (University of Houston)
HARRIS, LONI, Associate Professor of Theatre (1997), B.A., M.F.A. (University of Southern California)
HARRIS, MARY BETH, Assistant Professor of Social Work (2006), M.S.W., Ph.D., L.C.S.W. (University of Washington)
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BASS, MICHAEL, Professor Emeritus of Optics (1988), B.S., M.S., Ph.D. (University of Michigan)


BIEGEL, JOHN E., Professor Emeritus of Engineering (1962), B.S.I.E., M.S.E.S., Ph.D. (Syracuse University), P.E. (Florida)

BLEDSOE, ROBERT L., Professor of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLOCK, DAVID L., Director Emeritus, Florida Solar Energy Center and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute), P.E. (Florida)

BOLTE, JOHN R., Vice President Emeritus for Administration and Finance (1968), B.A., M.A., M.S., Ph.D. (State University of Iowa)

BOSE, SUBIR K., Professor Emeritus of Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)

BRENNAN, JOHN J., Professor Emeritus of Physics (1968), B.S., M.S., Ph.D. (Georgia Institute of Technology)

BRIGHAM, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)

BRUMBAUGH, DOUGLAS K., Professor Emeritus of Education (1969), B.S., M.Ed., Ed.D. (University of Georgia)

BURROUGHS, WAYNE A., Professor Emeritus of Psychology (1968), B.A., M.A., Ph.D. (University of Tennessee)

CALLARMA, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CARROLL, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)

COLBURN, TREVOR, President Emeritus; Professor of History; and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., A.M.A., Ph.D. (Johns Hopkins University)

COMISH, NEWEL W., Professor Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University)

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DEL-RIIO, MARCELA, Professor Emeritus of Foreign Languages and Literatures (1990), B.A., M.A., Ph.D. (University of California-Irvine)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology (1976), B.M.E., M.S., Ed.D. (University of Georgia), P.E. (Florida, Georgia)


ECKERT, LLEWELLYN M., Pegasus Professor and Professor Emeritus of Biology (1969), A.B., Ph.D. (Cornell University)

ELLIS, LESLIE L., Professor Emeritus of Biology (1968), B.S., M.S., Ph.D. (University of Oklahoma)

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ESLER, WILLIAM K., Professor Emeritus of Education (1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University)

EVANS, THOMAS G., Professor Emeritus of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University)

FEDLER, FREDERICE E., Professor Emeritus, Nicholson School of Communication (1971), B.S., M.A. (University of Minnesota)


FLICK, ROBERT G., Professor Emeritus of Humanities (1968), B.A., M.A., Ph.D. (University of Florida)

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GRIFFITH, OLIVER L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)


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HOSNI, DJEHANE, Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Illinois)

HOSNI, YASSER A., Professor Emeritus of Engineering (1976), B.S.M.E., M.S., Ph.D. (University of Arizona), P.E. (Florida)

HUDLESTON, THOMAS, JR., Vice President Emeritus for Marketing, Communications and Admissions (1993), B.S., M.S., Ed.D. (Ohio State University)

HUSBAND, PHYLLIS J., University Librarian Emerita (1972), B.S., M.S.L.S. (University of Illinois)


JOHNSON, WILLIAM H., Professor Emeritus of Education (1986), B.S., M.Ed., Ph.D. (Kent State University)

JONES JR., HALSEY R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)

JUGE, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Arkansas)

KERSTEN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)

KOEVENIG, JAMES L., Professor Emeritus of Biology (1971), B.A., M.A., Ph.D. (University of Iowa)

KUHN, DAVID T., Professor Emeritus of Biology (1970), B.A., M.S., Ph.D. (Arizona State University)

KYSILKA, MARCELLA L., Professor Emeritus of Education (1969), B.S., Ed.D., M.B.A., Ph.D. (University of Texas)

LECKIE, SHIRLEY A., Professor Emeritus of History (1985), B.A., M.A., Ph.D. (University of Toledo)

LILE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., Ph.D. (Johns Hopkins University)

LLEWELLYN, RALPH A., Professor Emeritus of Physics (1980), B.S., Ph.D. (Purdue University)

MADEEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)

MALONE, LINDA C., Professor Emeritus of Engineering Science (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)


MATHEWS, BRUCE E., Professor Emeritus of Engineering (1969), B.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

MATTSON, GUY C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)

McBRYER, JAMES D., Professor Emeritus of Engineering (1990), B.S.A.E., M.S., Dipl., D.Sc. (Washington University), P.E. (Florida, Missouri, Ohio)

McGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)

### Courtesy Appointments

<table>
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<th>Name</th>
<th>Title</th>
<th>Position</th>
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<td>ANDERSON, MICHAEL</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>(2008), M.D.</td>
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<td>ANGELIS, MICHAEL</td>
<td>Courtesy Associate Professor of Surgery - Med. Ed.</td>
<td>(2007), M.D.</td>
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<td>ARLEN, PHILIP A.</td>
<td>Courtesy Assistant Professor</td>
<td>(2008), Ph.D.</td>
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<td>ARSENE, ANDREEA</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>(2008), M.D.</td>
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<td>AUSTIN, MITCHELL BYRNE</td>
<td>Courtesy Associate Professor of Pediatric Otolaryngology</td>
<td>(2009), M.D.</td>
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<td>AWE, JAIME J.</td>
<td>Courtesy Professor of Anthropology</td>
<td>(2007), Ph.D. (University of London)</td>
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<td>BAIĐAS, SAID</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>(2009), M.D.</td>
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<td>BAKER, JAMES</td>
<td>Courtesy Professor of Surgery - Med. Ed.</td>
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<td>BALEJ, GOBÍVENKATA</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>(2008), M.D.</td>
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<td>BALLENTYNE, JOHN</td>
<td>Associate Professor of Chemistry/Forensic Science</td>
<td>(1998), Ph.D. (State University of New York at Stony Brook)</td>
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<td>BANCROFT, LAURA</td>
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<td>BANEY, RICHARD</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>(2009), M.D.</td>
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<td>BARILE, ANTHONY</td>
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<td>(2008), M.D.</td>
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<td>BARNARD, BRIAN</td>
<td>Courtesy Assistant Professor of Orthopaedic Medicine</td>
<td>(2008), M.D.</td>
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<td>Assistant Professor of Internal Medicine</td>
<td>(2007), M.D.</td>
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<td>BAROUNDI, ISSA</td>
<td>Courtesy Assistant Professor of Plastic Surgery</td>
<td>(2009), M.D., F.A.C.S.</td>
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<td>BARRY, WAYNE</td>
<td>Courtesy Assistant professor of Emergency Medicine - Med. Ed.</td>
<td>(2007), M.D.</td>
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<td>BAYLOR, JEFFREY</td>
<td>Courtesy Assistant Professor of Otolaryngolo</td>
<td>(2008), M.D.</td>
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<tr>
<td>BEACH, KEVIN</td>
<td>Assistant Research Professor of Biology</td>
<td>(2001), B.S., Ph.D. (University of Hawaii at Manoa)</td>
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<td>BECKNER, MARK</td>
<td>Assistant Professor of Orthopaedic Surgery</td>
<td>(2007), M.D.</td>
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<td>BEFFIELD, KEVIN D.</td>
<td>Secondary Joint Professor of Optics &amp; Photonics, and Biomolecular Science Center: CREOL &amp; FPCE (1998), Ph.D. (Syracuse University)</td>
<td>(2008), M.D.</td>
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<td>BELLO, DAVID</td>
<td>Courtesy Associate Professor Biomolecular Science Center</td>
<td>(2006), M.D. (Central University of Venezuela)</td>
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<td>BELNICK, LUCILLE</td>
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<td>Courtesy Assistant Professor of Pediatrics</td>
<td>(2008), M.D.</td>
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<td>BETTINGER, TAMARA</td>
<td>Assistant Professor of Biology</td>
<td>(2003), (Oklahoma State University)</td>
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<td>BHAMBERI, RAJIV</td>
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<td>BHULER, AMANPREET</td>
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<td>BIELITZKI, JOSEPH</td>
<td>Secondary Joint Professor Biomolecular Science Center</td>
<td>(2006), D.V.M. (University of Illinois at Urbana-Champaign)</td>
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<td>BIGSBY, GLENN</td>
<td>Courtesy Assistant Professor of Obstetrics &amp;</td>
<td>(2008), D.O.</td>
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<td>BILLINGS, JOSEPH B.</td>
<td>Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine</td>
<td>D.O. (Philadelphia College of Osteopathic Medicine)</td>
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<td>BIRENSAUM, DALE</td>
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<td>(2008), M.D.</td>
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<td>BIRNBAUM, MARK</td>
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<td>BISHOP, LARRY</td>
<td>Courtesy Assistant Professor of Dermatology</td>
<td>(2009), M.D.</td>
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<td>BISSET, ROBERT</td>
<td>Courtesy Assistant of Family Medicine</td>
<td>(2009), M.D.</td>
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<td>BLOCH, JONATHAN</td>
<td>Courtesy Assistant Professor of Surgery</td>
<td>(2009), M.D.</td>
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<td>BLOCK, ERNEST</td>
<td>Courtesy Professor of Surgery</td>
<td>(2009), M.D.</td>
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<td>BOBUSTUC, GEORGE</td>
<td>Courtesy Assistant Professor of Neurology</td>
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<td>BONDAŘK, KYKHALIO</td>
<td>Visiting Assistant Professor of Chemistry</td>
<td>(2008), M.D.</td>
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<td>BORRERO, JOSE</td>
<td>Courtesy Assistant Professor of Surgery</td>
<td>(2009), M.D.</td>
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<td>BOSSHARDT, RICHARD</td>
<td>Courtesy Assistant Professor of Surgery - Med. Ed.</td>
<td>(2007), M.D.</td>
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<td>BOUCHER, DANIELLE</td>
<td>Courtesy Assistant Professor of Obstetrics</td>
<td>(2008), M.D.</td>
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<td>BRADY, LOUIS</td>
<td>Courtesy Associate Professor of Orthopaedic Surgery - Med. Ed.</td>
<td>(2007), M.D.</td>
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<td>BRAINTSTEIN, ANDREW</td>
<td>Courtesy Assistant Professor of Surgery</td>
<td>(2008), M.D.</td>
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<td>BRENNAN, DANIEL</td>
<td>Courtesy Assistant Professor of Emergency Medicine</td>
<td>(2008), M.D.</td>
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<td>BROWN, CLARENCE</td>
<td>Courtesy Professor of Internal Medicine</td>
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<tr>
<td>BRUNELL, MARY LOU</td>
<td>Instructor, College of Nursing</td>
<td>(1980), M.S.N. (University of Pennsylvania)</td>
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<td>BURGESS, ANDREW</td>
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<td>(2008), M.D.</td>
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<td>BURROWES, ADRIAN</td>
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<td>BUSOWSKI, JOHN</td>
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<td>(2008), M.D.</td>
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<td>BYERS, ANTHONY</td>
<td>Courtesy Assistant Professor of Medical Education</td>
<td>(2008), Ph.D.</td>
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<tr>
<td>CALESTANI, CRISTINA</td>
<td>Secondary Joint Assistant Professor of Biomolecular Science Center</td>
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<td>CALIMANO, FRANCISCO</td>
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<td>(2007), M.D.</td>
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<td>CAMDÉSSANÇHE, JEAN-</td>
<td>PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center</td>
<td>(2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)</td>
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<td>CHAKRABARTI, DEBOPAM</td>
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<tr>
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<td>CHEATHAM, MICHAEL</td>
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<td>CHEN, PHILLIP</td>
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<tr>
<td>CHITICK, ELIZABETH</td>
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<td>(2002), Ph.D.</td>
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<td>CHOUHRY, AFZAL</td>
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<td>(2008), M.D.</td>
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<td>CHOW, LOUIS C.</td>
<td>Secondary Joint Professor of Optics &amp; Photonics</td>
<td>(2005), M.S., Ph.D. (University of California, Berkeley)</td>
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<td>CHULANI, VEEVOD</td>
<td>Courtesy Assistant Professor of Pediatrics</td>
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<td>CLARK, MARK</td>
<td>Courtesy Associate Professor of Emergency Medicine</td>
<td>(2009), M.D.</td>
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<td>COBB, KATHY</td>
<td>Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership</td>
<td>(2007), J.D. (Stetson University)</td>
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<td>COFFEY, KEVIN</td>
<td>Secondary Joint Associate Professor of Electrical and Computer Engineering</td>
<td>(2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)</td>
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<td>COHEN, MICHAEL</td>
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<td>Associate Professor of Neurology</td>
<td>(2007), M.D.</td>
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<td>CASSIDY, DAVID</td>
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<td>CHACKO, CHOWALLUR</td>
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<td>CHACKO, LYNN</td>
<td>Assistant Professor of Family Medicine</td>
<td>(2007), M.D.</td>
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<td>CHAILAVI, ALI</td>
<td>Courtesy Associate Professor of Neurosurgery</td>
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</table>
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)
FULTON III, ROLLAND, Courtesy Associate Professor of Biology (2004), B.A., Ph.D. (Duke University)
FUSCO, MARK, Courtesy Assistant Professor of Surgery (2008), M.D.
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GARCIA, DANIEL, Courtesy Assistant Professor of Pediatrics (2009), Ph.D.
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GAVIN, LESLIE ANN, Courtesy Assistant Professor of Pediatrics (2009), Ph.D.
GELLER, DAVID, Associate Professor of Pediatrics (2007), M.D.
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GILBERT, PETER, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
GLEN, HARRY, Courtesy Assistant Professor of Ophthalmology (2009), M.D.
GLENNER, DAVID, Courtesy Assistant Professor of Anesthesiology (2008), M.D.
GO, EUGENE, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
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GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006).
GORDON, ALAN, Courtesy Assistant Professor of Obstetrics and Gynecology (2008), M.D.
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GRIFFIN, SUSAN E., Clinical Faculty, College of Nursing (2002), (Creighton University)
GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology (2006), M.D. (University of Chile)
GUNTER, GLEND A., Associate Professor of Education and Secondary Joint Associate Professor of Digital Media (1996), A.S., B.S., M.A., Ph.D. (Mississippi State University)
GURRI, JOSEPH, Courtesy Assistant Professor of Surgery (2008), M.D.
GUSSO, RICHARD, Courtesy Assistant Professor of Medicine (2008), M.D.
GUTHRIE, GEORGE, Courtesy Assistant Professor of Family Medicine (2008), M.D.
GUTIERREZ, MICHAEL, Courtesy Assistant Professor of Dermatology (2008), M.D.
HAAS, BRIAN, Associate Professor of Ophthalmology (2007), M.D.
HADDAD, MUNTHER, Courtesy Professor of Civil, Environmental, and Construction Engineering (2006), B.S., M.S., Ph.D. (University of Washington, Seattle, WA)
HAFEZI, SAJID, Courtesy Assistant Professor of Psychiatry (2008), M.D.
HAGLOCH, JAY, Courtesy Assistant Professor of Family Medicine (2008), M.D.
HAIM, Y. DANIEL, Courtesy Assistant Professor of Medicine (2007).
HAJJAR, FOAUD, Courtesy Assistant Professor of Pediatrics (2008), M.D.
HALL, THOMAS, Courtesy Instructor of Psychiatry (2008), LCISW
HAMEER, HUSSEIN, Courtesy Assistant Professor of Pathology (2008), M.D.
HAN, WADE, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
HARRIS, BARBARA, Courtesy Assistant Professor of Obstetrics (2008), M.D.
HART, MARY, Courtesy Assistant Professor of Nuclear Medicine (2008), M.D.
HAVKIN, BORIS, Courtesy Assistant Professor of Urology (2008), M.D.
HAZDAY, MARCUS, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
HEINONEN, OLLE, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)
HENDERSON, MOYA, Courtesy Visiting Artist (2007).
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HERBST, LAWRENCE, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)
HERNANDEZ, ANTONIO, Courtesy Associate Professor of Pathology (2008), M.D.
HERRERA-SOTO, JOSE, Courtesy Assistant Professor of Orthopaedic (2008), M.D.
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HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)
HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)
HILAL, RAOUF, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
HILL, ASHLEY, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.
HOF, HENRY, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
HOESE, VALERIE, Courtesy Associate Professor of Psychiatry (2007), Ph.D.
HOLLOWAY, ROBERT, Courtesy Professor of Obstetrics and Gynecology (2008), M.D.
HOLSENBECK, DANIEL, Associate Faculty, School of Communication (1965), Ph.D. (Florida State University)
HOOD, MARGARET, Courtesy Assistant Professor of Pediatrics (2008), M.D.
HORNICK, RICHARD, Courtesy Professor of Medicine (2007).
HOSEY, DAMANI, Courtesy Assistant Professor of Family Medicine (2008), M.D.
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PSEKARAKIS, MARK, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
PYRISPOULOS, NIKOLAOS, Courtesy Assistant Professor of Medicine (2008), M.D.
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RAPISARIS, MARK, Courtesy Assistant Professor of Pediatrics (2008), M.D.
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RAPISARIS, MARK, Courtesy Assistant Professor of Pediatrics (2008), M.D.
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RANSON, MARK, Courtesy Assistant Professor of Surgery (2008), M.D.
RATH, ROGER, Courtesy Assistant Professor of Ophthalmology (2009), M.D.
RAZACK, MOHAMED S., Courtesy Associate Professor of Surgery (2008), M.D.
RAZACK-MALIK, NARSEEN, Courtesy Assistant Professor of Psychiatry (2008), M.D.
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REDAN, JAY, Courtesy Associate Professor of Surgery, College of Medicine, Department of Medical Education (2007), M.D.
REDDY, PRAKASH, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
REDDY, VJAY, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
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), University of Virginia
REID, HERMAN, Courtesy Assistant Professor of Pathology (2008), M.D.
REILLOVA, JOSE, Courtesy Assistant Professor of Pathology (2008), M.D.
REMYS, FRANCISCO, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
RICH, MARK ALLAN, Courtesy Associate Professor of Pediatric Medicine (2008), M.D.
RICHARDSON, MARTIN, Professor of Optics (1990), B.S.C., A.R.C.S., Ph.D. (University of London)
ROBESSON, JESSICA, Courtesy Assistant Professor of Pediatrics (2008), M.D.
ROBERTS, VICTOR, Courtesy Professor of Internal Medicine (2008), M.D.
ROBERTSON, JOHN, Courtesy Assistant Professor of Surgery (2008), M.D.
ROBIN, JEFFREY, Courtesy Associate Professor of Ophthalmology (2008), M.D.
RODAS, RAUL, Courtesy Assistant Professor of Neurosurgery (2008), M.D.
RODRIGUEZ, ARSENIO, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
RODRIGUEZ, KAREM PRINCIPE, Courtesy Assistant Professor of Medicine, College of Medicine, Department of Medical Education (2007), M.D.
RODRIGUEZ, WAYNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
RONALSON, JAMES, Assistant Professor of Internal Medicine (2007), M.D.
ROSADO, ARISTO, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
ROSENBURG, STEPHEN J., Courtesy Assistant Professor of Neurology (2008), M.D.
ROSSI, CATHERINE, Courtesy Assistant Professor of Family Medicine (2008), M.D.
ROUSSEAU JR., DENNIS, Courtesy Associate Professor of Surgery (2008), M.D.
RUBERO, JOSE, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
RUBERTE, MARIO, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
RUBIN, JERRY, Courtesy Assistant Professor of Plastic Surgery (2008), M.D.
RUIZ, CARLOS, Assistant Professor of Internal Medicine (2007), M.D.
RUIZ, RAMON, Courtesy Associate Professor of Surgery (2008), M.D.
RYAN, THOMAS, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
SABOGAL, CARLOS, Courtesy Assistant Professor of Pediatrics (2008), M.D.
SALAZAR, JORGE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)
SALUJA, ANITA, Courtesy Assistant Professor of Dermatology (2008), M.D.
SALUP, CARLOS, Courtesy Assistant Professor of Obstetrics and Gynecology (2008), M.D.
SANDER, ALAN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SANDERS, JAMES, Courtesy Assistant Professor of Neurosurgery (2008), M.D.
Courtesy Appointments

SANG, NELSON, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SANTIAGO, JOSE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SARACINO, ANTHONY, Courtesy Assistant Professor of Urology (2008), M.D.
SARRIERA, JOSE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SCHECTMANN, NORBERTO, Courtesy Associate Professor of Internal Medicine (2008), M.D.
SCHMIDT, ANDREW, Professor of Internal Medicine (2008), M.D.
SCHREINBERG, JAY, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SCHREINBERG, JOHN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SCHREIBER, JEANETTE CARPENTER, Courtesy Assistant Professor of Medical Education (2008), J.D.
SCHULTE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics (2004), Dr. rer. nat. (Technische Universität Munich)
SCHUMACHER, PAUL, Courtesy Assistant Professor of Medicine (2008), M.D.
SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP
SEELMAN, ROBERT, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SEIFEIN, HANI, Courtesy Assistant Professor of Medical Education (2007).
SEILBY, THOMAS, Assistant Professor of Chemistry (2002), Ph.D. (Ohio State University)
SELZICK, STEVEN, Courtesy Assistant Professor of Family Medicine (2009), D.O.
SHAFRAIN, IRA, Associate Professor of Optics and Photonics (1986), B.E., M.S., Ph.D. (Wayne State University)
SHAH, RAHUL, Assistant Professor of Orthopaedic Surgery (2007), M.D.
SHAIKH, NAZIJIA, Courtesy Assistant Professor of Ophthalmology (2009), M.D.
SHAIKH, SAB, Courtesy Associate Professor of Ophthalmology, College of Medicine, Department of Medical Education (2007), M.D.
SHARFMAN, MARC, Courtesy Assistant Professor of Neurology (2008), M.D.
SHEIKH, KHALID, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SHELFENBERGER, THOMAS, Courtesy Assistant Professor of Surgery (2008), M.D., D.M.D
SHENOY, SACHIN, Courtesy Assistant Professor of Neurology (2008), M.D.
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)
SHEBER, JOSEPH, Courtesy Associate Professor of Emergency Medicine (2008), M.D.
SHORT, DOUGLAS, Courtesy Assistant Professor of Pediatrics (2008), M.D.
SHOWALTER, J. STUART, Courtesy Assistant Professor of Medical Education (2009), M.S., J.D.
SHUGAN, STEVE, Professor, Marketing (2003), (Northwestern University)
SHUMAKER, RANDALL P., Secondary Joint Professor of Electrical & Computer Engineering (2004), Ph.D. (University of Pennsylvania)
SIEG, KARL, Courtesy Associate Professor of Psychiatry (2009), M.D., Ph.D.
SILVYAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)
SILVESTRI, SALVATORE, Courtesy Associate Professor of Emergency Medicine (1999), M.D.
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)
SITTLER, SCOTT, Courtesy Associate Professor of Pathology (2008), M.D.
SKEY, DAVID, Courtesy Assistant Professor of Pediatrics (2007), M.D.
SMITH, HOWARD, Courtesy Associate Professor of Surgery (2008), M.D.
SMITH JR., DAVID, Courtesy Assistant Professor of Anesthesiology (2009), M.D.
SMUCKLER, DAVID, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SNOW, CRAIG, Assistant Professor of Medicine (2007), M.D.
SOILEAU, M. J., Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (University of Southern California)
SOKOL, DAWN M., Courtesy Associate Professor of Pediatrics (2008), M.D.
SOLER, RICHARD, Courtesy Assistant Professor of Internal Medicine (2009), M.D.
SOLOMAN, JAMES, Courtesy Associate Professor of Dermatology - Med. Ed. (2007), M.D., Ph.D.
SOLLIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)
SORLOACIA-HICKMAN, NICOLETA, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology (2008), Ph.D., M.S., (Clemson University)
SOVRAN, PAUL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SPECTOR, BRIAN, Courtesy Assistant Professor of Otolaryngology (2009), M.D.
SPENCER, ANGELA, Courtesy Assistant Professor of Neurology (2008), M.D.
SPIES, C. PETER, Courtesy Assistant Professor of Internal Medicine (2008), M.D., Ph.D.
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ST. MARY, EDWARD, Assistant Professor of Orthopaedic Surgery (2007), M.D.
STAMPER, MICHAEL, Assistant Research Professor of Biology (2002), B.S., D.V.M. (Purdue University)
STANLEY, GEORGE, Courtesy Assistant Professor of Radiology (2009), M.D.
STANLEY-BROWN, ODET, Courtesy Assistant Professor of Pediatrics (2008), M.D.
STEELE, IAN, Courtesy Assistant Professor of Medical Education (2008), M.D.
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STYNE, PHILIP, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SUAREZ, JUAN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SUBRAMANIAN, HARHARI, Courtesy Assistant Professor of Surgery (2009), M.D.
SULLIVAN, DANIEL, Assistant Professor of Otolaryngology (2007), M.D.
SULLIVAN, JEROME L, Courtesy Associate Professor Biomolecular Science Center (2008), M.D. (University of Florida College of Medicine)
SUMMY, JUSTIN M, Courtesy Assistant Professor (2008), Ph.D.
SUNTER, WILLIAM, Courtesy Assistant Professor of Neurology (2008), M.D.
SWAIN, THOMAS, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SWANA, HUBERT, Courtesy Assistant Professor of Pediatric Urology (2009), M.D.
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JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), LL.M., J.D. (University of Florida)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

KATZ, SUSAN RACHEL, Director, Southeast Region, National Consortium for Academics and Sports, Academic Retention and Development (1997), B.S. M.S. (Northeastern 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)

LANEY, DAVID, Director, Business Affairs, UCF Regional Campuses (2008),
LAUREANO, GLORIA, Assistant Vice President and Director, First Year Advising & Exploration (1991), B.A., M.A., Ed.D. (University of Central Florida)

MackOWN, PATRICIA A., Assistant Vice President, Director, Office of Student Rights and Responsibilities and Director, Student Legal Services (1979), B.A., M.A. (University of Central Florida)


MARRETT, CAROLINE, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)


MCKINNEY, MARY, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (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 Central Florida)

MERCK, II, WILLIAM F., Vice President for Administration and Finance, and CFO (1996), B.B.A., M.B.A. (Georgia State University)

MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Emory Riddle Aeronautical University)

MILLICAN, CHARLES N., President Emeritus, Professor of Finance, and Special Assistant to the UCF Foundation Chief Executive Officer (1965), B.S., M.A., Ph.D. (University of Florida)

MINANA, KIM A., Assistant Vice President for Major Gifts and Director, Corporate and Foundation Relations (1995), B.A. (University of Central Florida)

MODIANOS, DOAN T., Associate Vice President, Academic Affairs (2006), Ph.D. (Texas Christian University)


MULLALLY, KAY, Security Officer, Certified Facility Security Officer (1986), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (University of Central Florida)

NEWMAN, PETER, Director, Facilities Planning (1977), B.S. (Drexel University)

NORVELL, DAVID, Director, Sustainability and Energy (2008), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

NORVELL, DAVID, Director, Sustainability and Energy (2008), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

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)

ORO, GLENNIA, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)

PATES, PATRICIA, Director, Research, Grants, and Evaluation (1996), B.A., M.A., EdS. (University of Louisville)

PAVLONNIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1998), B.S., M.S. (University of Tennessee)

PAYNE, RICHARD S., Assistant Vice President, Operations & Television Services (2002), B.S., M.B.A. (University of Central Florida)

PERRY, ANTHONY, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)

POETKER, ANNA, Director, Constituent Relations (2008), B.A., M.A. (University of Central Florida)

PIETY, 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)

POISEL, MARK ALLEN, Associate Vice President, Student Development and Enrollment Services (1999), B.S., M.S., Ed.S., Ed.D. (University of Central Florida)

POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), Ph.D. (Medical College of Georgia)

POWELL, FRITZLAINE, Director, Partnership Development, Career Services (1999), B.A., M.Ed. (Pennsylvania State University)

PRIEST, DeLAINE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)

PUSKAS, RAYMOND, Director, Purchasing (1998), B.A. (University of Connecticut)

QUIGLEY, MARTIN F., Director, Landscape and Natural Resources; Director, UCF Arboretum; Associate Professor of Biology (2004), B.A., M.L.A, Ph.D. (Louisiana State University)

RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)


REA, 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 Giving (2000), B.A., J.D. (University of Kansas)

RITSE, JOE, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of PA)


ROBERTS, MARK A., Director, Human Resources (1986), B.A., M.A. (Central Michigan University)

SCHENNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHON, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)

SCHUCKMAN, GREGORY A., Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)

SCIARRINO, JOSEPH, Director, Activity and Service Fee Business Office (1990), B.S.B.A. (University of Central Florida)

SHAH, MUBARAK A., Assistant Vice President, Research, Professor of Electrical Engineering and Computer Science, and Joint Secondary Professor of Mathematics (1986), B.E., M.S., Ph.D. (Wayne State University)

SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A., B.A., M.B.A. (Valdosta State University)

SNOW, ROBERT, Director, Sophomore Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)

SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & ECECS (1987), B.S., M.S., Ph.D. (University of Southern California)

STEBBINS, CONSELIO, Assistant Vice President for Internationalization (1987), B.A., M.A., Ph.D. (Florida State University)

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)
UCF Administrative Officers and Staff

SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

TREES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TRIBBLE, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)

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 (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VAZQUEZ, JOSE, Interim Director, Environmental Health and Safety (1994), B.A., M.A. (University of Wyoming)

WATSON, MONTEL J., Interim Director, UCF Physical Plant (1994), B.A., M.B.A. (Loyola University of Chicago)

WITTON, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)

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)

WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

UCF Administrative Officers and Staff
<table>
<thead>
<tr>
<th>Date</th>
<th>Name and Title</th>
</tr>
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<tbody>
<tr>
<td>December 1969</td>
<td>Kurt H. Debus, Doctor of Engineering Science</td>
</tr>
<tr>
<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
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<tr>
<td></td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<tr>
<td>June 1970</td>
<td>Louis C. Murray, Doctor of Public Service</td>
</tr>
<tr>
<td>March 1973</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
</tr>
<tr>
<td>August 1974</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
</tr>
<tr>
<td>August 1978</td>
<td>Albert F. Hegenberger, Doctor of Engineering Science</td>
</tr>
<tr>
<td>June 1979</td>
<td>Lee R. Scherer, Doctor of Engineering Science</td>
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<tr>
<td>December 1979</td>
<td>Joseph Daniel Duffey, Doctor of Humane Letters</td>
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<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
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<tr>
<td>December 1981</td>
<td>Howard Phillips, Doctor of Public Service</td>
</tr>
<tr>
<td>April 1982</td>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
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<tr>
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<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td></td>
<td>John Duda, Doctor of Agricultural Service</td>
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<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
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<td>William E. Davis, Doctor of Public Service</td>
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<tr>
<td>December 1982</td>
<td>Joseph A. Boyd, Doctor of Engineering Science</td>
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<td>July 1983</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
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<td>Charles Wadsworth, Doctor of Public Service</td>
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<tr>
<td>December 1984</td>
<td>Allan E. Gotlieb, Doctor of Laws</td>
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<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
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<td>Jerry Collins, Doctor of Public Service</td>
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<td>D. Robert Graham, Doctor of Public Service</td>
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<td>Walter O. Lowrie, Doctor of Engineering Science</td>
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<td>William C. Schwartz, Doctor of Engineering Science</td>
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<td>March 1986</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
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<td>October 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
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<tr>
<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td>John D. Holloway, Doctor of Public Service</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>David Albertson, Doctor of Humane Letters</td>
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<td>William S. Jenkins, Doctor of Humane Letters</td>
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<td>James C. Robinson, Doctor of Public Service</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>May 1995</td>
<td>Norman R. Augustine, Doctor of Engineering Science</td>
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<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<tr>
<td>December 1995</td>
<td>Richard A. Nunis, Doctor of Public Service</td>
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<td>May 1996</td>
<td>Maxwell C. King, Doctor of Public Service</td>
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<td>May 1997</td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
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<td>August 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
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<tr>
<td>December 1998</td>
<td>Linda W. Chapin, Doctor of Public Service</td>
</tr>
<tr>
<td>December 1999</td>
<td>Archbishop Desmond Tutu, Doctor of Humane Letters</td>
</tr>
<tr>
<td>May 2000</td>
<td>President Oscar Arias, Doctor of Humane Letters</td>
</tr>
<tr>
<td>May 2001</td>
<td>Reubin O’D. Askew, Doctor of Commercial Science</td>
</tr>
<tr>
<td>October 2002</td>
<td>Nancy Burnett, Doctor of Commercial Science</td>
</tr>
<tr>
<td>November 2002</td>
<td>Albert Burnett, Doctor of Commercial Science</td>
</tr>
<tr>
<td>December 2002</td>
<td>Robert E. Kahn, Doctor of Science</td>
</tr>
<tr>
<td>May 2002</td>
<td>G. Vinc Amico, Doctor of Science</td>
</tr>
<tr>
<td>May 2003</td>
<td>Lester Mandell, Doctor of Commercial Science</td>
</tr>
<tr>
<td>May 2005</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
</tr>
<tr>
<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Science</td>
</tr>
<tr>
<td>May 2007</td>
<td>Rita Bornstein, Doctor of Humane Letters</td>
</tr>
<tr>
<td>May 2009</td>
<td>Charles Hard Townes, Doctor of Science</td>
</tr>
<tr>
<td>May 2009</td>
<td>Robert Vander Weide, Doctor of Commerce</td>
</tr>
<tr>
<td>May 2003</td>
<td>Howard Lance, Doctor of Science</td>
</tr>
</tbody>
</table>
Add: undergraduate admission purposes.

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.

AEP: Academic Exploration Program to assist undecided students.

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).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAST: College Level Academic Skills Test: the CLAST is a required statewide test which measures selected communication and mathematics skills.

CLAST Alternative: refers to another way of satisfying one or more subtests of the CLAST requirement other than taking the exam - through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPCA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPCA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

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.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s per-manent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and 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.
deficiency is calculated when the student applies for credit hours earned with a "B" (3.0 GPA) grade that only, this term is defined as the number of UCF demic career). At UCF (may be used only twice in the student's academic career).

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the class.

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 KnightsMail e-mail, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from classes 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 WebCT, Pegasus e-mail and the UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal IDentification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PID: (Personal IDentification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All 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.

TBHC: The Burnett Honors College

Third Attempt Charge: See “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Heathrow, UCF Leesburg, UCF Orlando, UCF Osceola, 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.

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 withdrawal 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.
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