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.

UGE 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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<td>July 1</td>
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<td>August 12</td>
<td>July 22</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 2</td>
<td>August 14</td>
<td>August 14</td>
<td>July 23</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 8</td>
<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](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.

### University Holidays and Special Events

- **Memorial Day Holiday** ........................................ May 25, 2009
- **Independence Day Holiday** ..................................... July 3, 2009
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2009</th>
<th>Spring 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>October 30, 2009</td>
</tr>
<tr>
<td>Graduation Application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Online Intent to Graduate Form for Undergraduates on myUCF)</td>
<td>June 22 - August 7</td>
<td>October 19 - December 7, 2009</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 7</td>
<td>December 3, 2009</td>
</tr>
<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>
</tr>
<tr>
<td>Registration for Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>On-campus Housing Opens (1:00 p.m.)</td>
<td>August 21</td>
<td>January 9</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td>January 11-15</td>
</tr>
<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 on myUCF (ends at 11:59 p.m.)</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>CLAST Test (register by Sept. 4-Fall / Jan. 22-Spring)</td>
<td>October 3</td>
<td>February 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 12-23</td>
<td>October 12-23, 2009</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>(ends at 4:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<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>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>November 20</td>
<td>April 2</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete on myUCF (ends at 11:59 p.m.)</td>
<td>December 7</td>
<td>April 26</td>
</tr>
<tr>
<td>Final Examination Period on myUCF (ends at 11:59 p.m.)</td>
<td>December 8-14</td>
<td>April 27 - May 3</td>
</tr>
<tr>
<td>On-campus Housing Closes (noon)</td>
<td>December 15</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 17</td>
<td>May 6</td>
</tr>
<tr>
<td>Degree Conferral</td>
<td>December 18</td>
<td>May 7</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 18-19</td>
<td>May 7-8</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 19</td>
<td>May 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 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>
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 or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual;
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

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

Drug-Free Workplace/Drug-Free Schools Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful 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 and/or disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus.

Guidelines

1. 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.
2. Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special events.

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

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event where alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors. The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors. The serving, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls in locations other than on-campus or affiliated housing unless otherwise prohibited by the governing organization.

Approval Procedures: Non-Student Groups

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

Undergraduate Catalog

The Undergraduate Catalog is published online once a year and can be accessed at http://www.ucf.edu/undergraduate/catalog/.

Undergraduate Advising Guide

The Undergraduate Advising Guide is published online once a year and can be accessed at http://www.ucf.edu/undergraduate/advising/.

Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action and/or disciplinary action. Academic action affects student enrollment status. Examples of conduct for which students may be subject to academic and/or disciplinary penalties including expulsion are:

- Cheating, whereby non-permissible written, visual, electronic or oral assistance including that obtained from another student is utilized or permitted on examinations, course assignments, or projects. The unauthorized possession or use of an examination or course related material shall also constitute cheating.
- Plagiarism, whereby another’s work is used or appropriated without any indication of the source, thereby attempting to convey the impression that such work is the student’s own. Any student failing to properly credit ideas or materials taken from another has plagiarized.
- Commercial Use of Academic Material: Selling notes, handouts, etc. without authorization or using them for any commercial purpose without the express written permission of the University and the Instructor is a violation of this rule.

Note: A student who has assisted another in any of the aforementioned breaches of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally,
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 transferred 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.knightemail.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 related 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:

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Arts and Humanities</td>
<td>American Chemical Society</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>College of Education</td>
<td></td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td>Committee on Accreditation of Athletic Training Education (CAATE)</td>
</tr>
<tr>
<td>College of Health Professions</td>
<td>Committee on Accreditation for Respiratory Care (CoARC)</td>
</tr>
<tr>
<td>College of Information Management</td>
<td>Commission on Accreditation for Health Informatics and Information Management Education (CAHIM)</td>
</tr>
<tr>
<td>College of Radiologic Sciences</td>
<td>Joint Review Committee on Education in Radiologic Technology (JRCERT)</td>
</tr>
<tr>
<td>College of Social Work</td>
<td>Council on Social Work Education (CSWE)</td>
</tr>
<tr>
<td>College of Hospitality Management</td>
<td>Accreditation Commission for Programs in Hospitality Administration (ACPHA)</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
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<td>Medical Laboratory Sciences</td>
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<tr>
<td>Medical Laboratory Sciences</td>
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<tr>
<td>Nursing</td>
<td>Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing</td>
</tr>
<tr>
<td>Sciences Chemistry</td>
<td>American Chemical Society (ACS)</td>
</tr>
<tr>
<td>Sciences Chemistry</td>
<td>Committee On Professional Training</td>
</tr>
</tbody>
</table>
| UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
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, modeling and simulation, engineering and 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. Studies. More than 50,000 students attend classes on UCF’s main Orlando campus and its 11 regional campuses. UCF recently granted its 183,252nd degree in its 40th year of offering classes.

The incoming freshmen class for the academic year 2006-09 of 3,932 students continues UCF’s rise in academics with an average SAT score of 1219 and a high school grade-point average of 3.76. The Burnett Honors College incoming class has an average SAT score of 1373 and a grade-point average of 4.16. UCF ranks in the top 50 universities nationwide for the number of National Merit Scholars of first-time-in-college students.

The UCF Libraries offer more than 1.9 million volumes, 18,252 periodical subscriptions and 11,576 electronic journals, most of which are available online.

UCF has an 85,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. Union has computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, a pharmacy, a medical laboratory and physical therapy services. The $200,000-seat UCF Arena and a 45,000-seat on-campus football stadium were opened in 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

UCF promotes a diverse and inclusive environment. UCF students come from 63 Florida counties, 50 states, and 142 countries. Study abroad programs allow UCF students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recognized throughout the world and include recipients of the Rhodes, Mellon and Goldwater scholarships.

In 2007-08, UCF professors received $122.9 million in research funding, topping $100 million for the fourth consecutive year. Distinctive research programs extend learning beyond the classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research positions.

Online@UCF, The Virtual Campus

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

Online courses are identified in the online Class Schedule Search (https://my.ucf.edu). Select the Advanced Search dialog and use the drop-down list next to the Mode of Instruction to search for the descriptive value of “World Wide Web (W).” Complete listings of the fully and partially Web-based classes from the class schedule are also excerpted and available on the Online@UCF Web site at http://online.ucf.edu.

Web-related instruction modes are:

WORLD WIDE WEB (W): These courses conducted fully via Web-based instruction and collaboration. Courses may require proctored examinations, 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 courses have a fixed activity component delivered 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.

Center for Distributed Learning

3100 Technology Parkway, Suite 234
Orlando, 32826
407-823-4910; distrib@mail.ucf.edu

Online@UCF is supported by the Center for Distributed Learning, Course Development & Web Services, and the Research Initiative for Teaching Effectiveness. The Center’s mission is to support and coordinate the growth and quality of distributed learning activities at the University. The Center serves as a clearinghouse for processes and resources, providing planning and marketing support for off-campus and distributed learning credit programs. The Center also coordinates the University’s standards and accreditation changes resulting from Web-based instruction.

Regional Campuses

http://www.regionalcampuses.ucf.edu

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 24 Bachelor’s programs, 18 minors, 12 master’s degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, 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 Ocala, 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.

Administration

UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32626; 407-823-4547

Vice Provost, UCF Regional Campuses .................. David Harrison
Senior Administrative Assistant ............................ Dania Suarez
Assistant Vice President, Executive Director ............ Bernard Jensen
Academic Initiatives ................................................. Cyndi Thomas
Facilities Scheduler .................................................. Denise Devlin
Coordinator, Statistical Research .......................... Jennifer Walz
Assistant Vice President, Student Services ............... A.J. Range
Administrative Assistant ......................................... Gloria Jimenez
Assistant Vice President, Regional Campus Transfer Admission & Enrollment/Marketing ............. A. Peter Peterson
Associate Director, RC Enrollment Services ......... Deborah Bradford
Marketing Account Executive ................................ Michelle Fuentes
Coordinator, Web Administrator ............................ Tony Recascino
Coordinator, Computer Technology ...................... Kirk Henry
Senior Broadcast Technologist .............................. Calston Llewellyn
Director, Academic Advising ............................... Helen Hill
Director, Business Affairs ................................. David Lane
Administrative Assistant ......................................... Jeanette Holder
### University of Central Florida/Campuses

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<tr>
<td>Director, Academic Support Services</td>
<td>Edgar Martinez</td>
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<td>Coordinator, Academic Support Services</td>
<td>Carolyn Obexer</td>
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<td>Coordinator, Academic Support Services</td>
<td>Nick Pantoni</td>
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<td>Coordinator, Academic Support Services</td>
<td>Lisa Cruz</td>
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<tr>
<td>Coordinator, Enrollment Services</td>
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<tr>
<td>Coordinator, Regional Campus Enrollment Services (Financial Aid)</td>
<td>Shellie Thomas-Small</td>
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<td><strong>Eastern Region</strong></td>
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<td>UCF Daytona</td>
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<tr>
<td>Assistant Vice President and Director, Daytona Beach Campus</td>
<td>Linda Bradley</td>
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<tr>
<td>Associate Director, Academic Support Services</td>
<td>Tena Harris</td>
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<tr>
<td>Director, Regional Campus Student Services</td>
<td>Diana Weidman</td>
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<tr>
<td>Assistant Director, Enrollment Services</td>
<td>Raphel Robinson</td>
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<tr>
<td>Senior Administrative Assistant, Office of the Director</td>
<td>Angel Edgecombe</td>
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<tr>
<td>Coordinator, Academic Support Services</td>
<td>Heishi Shaw</td>
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<td>Tina Davis</td>
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<td>Darryl Greely</td>
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<td>Kevin Snyder</td>
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<td>Jason Mayer</td>
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<td><strong>Southern Region</strong></td>
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<tr>
<td>UCF Cocoa, UCF Palm Bay</td>
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<tr>
<td>Associate VP Academic Affairs and Interim Campus Director, Cocoa/Palm Bay</td>
<td>Denise Young</td>
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<td>Director, Academic Support Services</td>
<td>Lauren Miller</td>
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<td>Director, Regional Campus Student Services</td>
<td>Terry Exum</td>
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<td>James C. Smith, Jr.</td>
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<td>Assistant Director, Academic Support Services</td>
<td>Marilyn Borges</td>
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<td><strong>Western Region</strong></td>
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<td>UCF South Lake, UCF Ocala, UCF Leesburg</td>
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<td>Assistant Vice President, Academic Affairs</td>
<td>Cecelia Rivers</td>
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<td>Scott Larson</td>
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<td>Coordinator, Computer Technology</td>
<td>Mei Wong</td>
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<td><strong>UCF Cocoa</strong></td>
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<td>Interpersonal/Organizational Communication (B.A.)</td>
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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
Rehabilitation Counseling (M.S.) College of Health and Public Affairs
Social Work (M.S.W.) College of Health and Public Affairs

UCF Heathrow
407-551-5450
(In partnership with Seminole County Community College)
Graduate Degree Programs
Industrial and Organizational Psychology (M.S.) College of Sciences (Cohort)
Rehabilitation Counseling (M.S.) College of Health and Public Affairs
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
Industrial and Organizational Psychology (M.S.) College of Sciences (Cohort)
Rehabilitation Counseling (M.S.) College of Health and Public Affairs

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida 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
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)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

UCF Osceola
407-856-6585
(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
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)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole 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, Legal Studies, Supervision and Administration
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
Legals Studies (B,A., B.S.) College of Health & 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., B.S.) 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

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 may lease space for office, office/lab, or light manufacturing activities.

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

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

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

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

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

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.
Lockheed Martin Academy in Math and Science Education: Created in 1995 to stress content enhancement and problem-solving approaches in the teaching of science and mathematics. Chair: Lisa A. Dieker.

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

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

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

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

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

Devos/Orlando Magic Sport Business Management Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar in the field of sports, with a strong commitment to graduate sport business management programs. Chair: Richard E. Lapchick.

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

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

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

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

Chatlos Foundation Endowed Fund: Created in 1996 to support a professor on minority health issues, award scholarships to nursing students, purchase supplies, and maintain the equipment at Community Nursing Centers and the Nursing Skills Laboratory. Chair: Karen Aroian.

Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting: Created in 2005 as a key component of the Dixon School of Accounting. Chair: TBA.

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

21st Century Scholar Chair: Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the College of Optics and Photonics. Chair: Daniel van der Weide.

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

University Ombuds Office

Ombuds Office: Vicky Brown; MH 247; 407-823-6440
http://pegasus.cc.ucf.edu/~ombuds/

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

Office of Undergraduate Studies

Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrative personnel to assure the strength of University-wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic programs such as the Bachelor of Applied Sciences are part of this office as is the Office of Academic Services. Also reporting to the Dean of Undergraduate studies are the Office of Experiential Learning, the Faculty Center for Teaching and Learning, The Bridges Office and the Office of Undergraduate Research, The Dean serves as the final appeals for all undergraduate academic appeals.

Academic Services

Associate Dean: Elliot Vittes; MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

International Services Center

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

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida. This service is to assist in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with federal regulations, so international populations and its employees can maintain their status. Services provided by ISC include issuing necessary documents to facilitate visa issuance abroad for international student applicants, transfer procedures, employment authorization for students and scholars, H1B visa holders’ immigration advice by professional lawyers, and international taxation assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.
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; 407-823-2564
Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444


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, 197,000 electronic books and 11,500 electronic journals. 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, one present/practice room and 65 seats are available. 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, a service 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 available in two to three 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 Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building (COE). The CMC provides representative K-12 curriculum materials for preview, review, and circulation through the CMC. 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 facility 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.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/locations.asp. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

All locations provide electronic access to library and University resources on the Web. Courier and intercampus loan service makes 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.asp.

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 professional production and training resources for faculty members. OIR’s interactive video classroom (CL 1 320) is used for videoconferencing and ITV course origination. 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://ecommunity.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 supports faculty members through the Teaching Online Web site (http://teach.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 rowing) 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 the institution. 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 textbook 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 visit 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 semester.

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 Services.
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: jimh@orlandoshakes.org
http://www.orlandoshakes.org

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

The theater has achieved a position of national recognition, attracting artists from across the country. The theater 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.
DIVISION OF STRATEGY, MARKETING, COMMUNICATIONS, AND ADMISSIONS

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

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

Purpose Statement
Create, coordinate and deliver strategic planning, program assessment, analytical planning support, communications and quality enrollment that add value to the university.

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

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

As one of the nation’s largest public universities, UCF is compelled to share its rich story and significant achievements in academics, campus life, research, economic development, and partnerships to its many audiences, including the UCF academic community, prospective students, corporate partners, alumni, donors, media representatives, and elected officials.

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

Institutional Research (IR) provides information of the highest quality, which is both timely and easily accessible, to facilitate and enhance decision-making, strategic planning, and assessment at UCF. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.

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

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

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

OEAS 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.

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.
to complete a college education. These students are provided with essential information, educational materials, and collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.

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, and 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
Assistant Vice President: Richard Payne; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-1601
http://www.ucftv.ucf.edu

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
Associate Vice President: Gordon D. Chavis, Jr.; Progress Energy University Welcome Center; 407-823-3000; E-mail: admission@mail.ucf.edu; http://www.admissions.mca.ucf.edu

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university transient students to 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
Director: Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-882-0285
http://www.uaps.ucf.edu

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
Associate Vice President: Terry K. Helms; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5977
http://universitymarketing.ucf.edu

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 with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- 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.
RESOURCES & DEPARTMENTS

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 including psychologists, mental health counselors, social workers, and counselors in training who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday. Services offered by the Center include:

- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing
- 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.

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 planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)
Director: 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-time-in-college students (not assigned to other first year advising offices). The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the 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 office 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 Loot 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 encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council, Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sororities or fraternities can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. 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 ways 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 provided free of charge. 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 in network with BCBSFL, United HealthCare, and Med. This entitys 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 coming 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 Advocate 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 with 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 for Health Promotion:** Peter Mastroianni; RWCC 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 Loot.”

**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 first-year housing available for all first-year undergraduates. 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 apartments. Most first-year students who apply for academic year contracts will receive assignments in double room suite style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.

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 initiatives 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; 407-823-6471

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. 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
- 600’ baseball field
- Nine acre multipurpose field
The Sport Club staff of the RWC believes that involvement in the Sport Clubs provides exciting, experiential opportunities that focus on leadership, teamwork, coordination, self/group awareness and interpersonal 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 I.D. To make reservations for the Challenge Course and Lake Claire please visit our website at http://www.rec.ucf.edu.

**Intramural Sports**

The Intramural Sports program offers the opportunity to participate in more than fifty action-filled teams, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels. A unique aspect of the UCF program is referee 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 interpersonal 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 I.D. To make reservations for the Challenge Course and Lake Claire please visit our website at http://www.rec.ucf.edu.

**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 this program, with a degree in physical therapy have teamed up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

**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 wssr@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 Help Line:** 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 supportive 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. The office manages student organization (RSO) with the Office of Student Involvement and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, web Enrollment Guide, the efficient utilization of classroom resources, readmissions, SUS transient students, residency reclassifications, 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 entrance exams, 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 educational 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, AR 160-8, 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, and 6-8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services Web site for Summer term course load and other FAQs.

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct.
Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated. Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. 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 campus club and organization, off-campus student housing information, student activities programing guidance and 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 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/TDD calls only phone 407-823-2116.

Student Government
OS/SGA 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 has also provided 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, arc Knights, Multicultural Student Center, and Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights 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 benefitting 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.
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 privately and 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) as 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 interinstitutional 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 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. 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.

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

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

Reactivation

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

Limited Access Programs

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

Orientation

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all students offered admission to the University or may be viewed on the Web site at 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:

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

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:

<table>
<thead>
<tr>
<th>if the High School GPA is:</th>
<th>Minimum test scores must be:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS GPA</td>
<td>SAT or ACT</td>
</tr>
<tr>
<td>2.0</td>
<td>1680</td>
</tr>
<tr>
<td>2.1</td>
<td>1620</td>
</tr>
<tr>
<td>2.2</td>
<td>1620</td>
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<td>2.3</td>
<td>1560</td>
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<td>2.4</td>
<td>1510</td>
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<tr>
<td>2.8</td>
<td>1450</td>
</tr>
<tr>
<td>2.9</td>
<td>1390</td>
</tr>
<tr>
<td>3.0</td>
<td>*</td>
</tr>
</tbody>
</table>

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE minimums.

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

Dual Enrollment 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.);

and,

- One year of college instruction in a single foreign language. (This requirement applies to those students without the required two units of foreign language in high school.) Students who receive an Associate in Arts degree from a Florida public community college or university prior to September 1, 1989, but who have not met the foreign language requirement may be admitted to the University on a provisional basis.

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission 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 programs; and
7. Equal opportunity with native university students to enter limited programs.

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

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

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

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

Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants

Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make applications 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 complete 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 accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation.

Transient Student Applicants

A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who wishes to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public university, please refer to the “SUS Transient Students” section of this Undergraduate Catalog. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

Limited Non-Degree Seeking Applicants

This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semester or term cycle, or for special programs mandated by the State of Florida. Successful completion of courses while in this classification does not provide a basis for regular admission at a later date.

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; 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 Web site at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on the evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.

- Submit the TOEFL (Test of English as a Foreign Language) 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 admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

Applicants must file a “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.
Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept 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
  (212) 998-6311
- 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 readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants
All grades from a regionally-accredited college or university in transfer courses that are normally part of a baccalaureate degree program are shown on the student’s permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of an AA or a specific statewide articulated AS degree from a Florida public community college. 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

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 requires the student to be enrolled, and where degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, applicability of the course toward a degree requirement is determined by the college/school/department of the major.

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

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

Credits From Military Service School Courses
Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University.

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.
Student Financial Assistance

Specific Eligibility Requirements and Conditions for Receiving Financial Aid
- Students must be accepted and classified as degree-seeking at UCF in an eligible program;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress;
- Students are required to inform financial aid of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award(s). This includes, but is not limited to, any private scholarships or third party tuition payment waivers;
- Students may not receive aid in excess of their cost of attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must complete an entrance interview for a Federal Stafford Loan if they are a first time borrower at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-888 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as determined by the FAFSA;
- A male applicant must be registered with Selective Service, if applicable.

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

Helpful Hints
- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date;
- Make a copy of tax return forms before submission to IRS;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning);
- Maintain a current e-mail and mailing address on myUCF at all times at https://my.ucf.edu;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered. Choosing a lender does not obligate the student to accept a loan, but will make it easier if additional funds are needed;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at anytime, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the Web site: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the Web site for the estimated cost of attendance.

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2009-2010</th>
<th>Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Florida Residents</td>
<td>$3,846</td>
</tr>
<tr>
<td>Non-Florida Residents</td>
<td>$4,450</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>8,574</td>
</tr>
<tr>
<td>Books</td>
<td>2,276</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>1,800</td>
</tr>
<tr>
<td>Transportation</td>
<td>924</td>
</tr>
<tr>
<td>Total Costs</td>
<td>8,574</td>
</tr>
</tbody>
</table>

Financial Aid Programs Available at UCF
Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the 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 UCF classes to be considered for federal loans.

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

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

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Initial 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 are also 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 disburse, 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 cancellation 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></td>
<td></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></td>
<td></td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<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 or are 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.
**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 insure 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.
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 campuses, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate at the course level for which the student is registered.

Fee Invoice: A printed Fee Invoice conforms 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 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.

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

### 2008-2009 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduated (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduated (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Resident</td>
<td>Florida Resident</td>
<td>Non-Florida Resident</td>
<td>Non-Florida Resident</td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>$82.03</td>
<td>$237.56</td>
<td>$82.03</td>
<td>$237.56</td>
</tr>
<tr>
<td>Out-of-State</td>
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<td>0.00</td>
<td>$491.41</td>
<td>$754.96</td>
</tr>
<tr>
<td>Building Fee</td>
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<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
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<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
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<td>$11.87</td>
<td>$4.10</td>
<td>$11.87</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>$24.57</td>
<td>$10.09</td>
<td>$10.09</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.09</td>
<td>$10.09</td>
<td>$10.09</td>
<td>$10.09</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.10</td>
<td>$12.10</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>
<td>$8.59</td>
<td>$8.59</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
<td>$7.59</td>
<td>$7.59</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>
<td>$645.24</td>
<td>$1,085.26</td>
</tr>
</tbody>
</table>

### 2008-2009 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduated (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduated (5000-7999)</th>
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</thead>
<tbody>
<tr>
<td>Florida Resident</td>
<td>Florida Resident</td>
<td>Non-Florida Resident</td>
<td>Non-Florida Resident</td>
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</tr>
<tr>
<td>Tuition</td>
<td>$82.03</td>
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<td>Non-Resident Fee</td>
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<td>0.00</td>
<td>$491.41</td>
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<tr>
<td>Building Fee</td>
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<td>Capital Improvement Fee</td>
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<tr>
<td>Financial Aid Fee</td>
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<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>$24.57</td>
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<td>$10.09</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.09</td>
<td>$10.09</td>
<td>$10.09</td>
<td>$10.09</td>
</tr>
<tr>
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<td>$12.10</td>
</tr>
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<td>$7.59</td>
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<td>$7.59</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$305.10</td>
<td>$292.56</td>
<td>$645.24</td>
<td>$1,085.26</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
- **Material and Supply Fee (per term; approved courses only – varies per course)** $5.00-$45.00
- **International Student Service Fee (per term)** $50.00
- **Repeat Course Fee (per hour)** $175.84
- **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.)**
- **Differential Tuition Fee (per hour)** $2.32***

**Charged to new or re-admitted students as of Fall 2007. Students with Florida Prepaid contracts purchased before 07/01/07 are exempt.

- **Late Registration Fee (per term)** $100.00
- **Late Payment Fee (per term)** $100.00
- **Returned Check Fees:**
  - **Check amounts up to $50.00** $25.00
  - **Check amounts over $50.00 up to $300.00** $30.00
  - **Check amounts over $300.00** $40.00 or 5%; whichever is greater

### Zero Hour Registration:
Students registering for zero credit hours pay for a minimum of one credit hour at the level they are classified. Fees are subject to change without notice.

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)
- UCF ID Service - 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 - Millican 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 Cashier’s 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 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 any 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 standard 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 UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $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 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 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 for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Registrar’s Office Web site at http://www.registrar.ucf.edu/State_UCF.html for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

UCF Employees Tuition Waiver
All full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the dates 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 for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources web site at http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

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 in at 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 Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-56). 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 incident 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 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 residence upon Florida of parents as 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.
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” for 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.
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 Colbourn 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 USSR if your major is Business Pending.

Continuing students will:
1. Meet with a faculty advisor or advisors in the USSR to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
Academic Advising

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 Engineering

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) 823-5399; 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 or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process. and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in 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; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

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

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

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

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

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

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

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

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

Curricula Guidelines

All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first Spring semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.

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

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

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,

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;
Academic Advising

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 selection of courses and address any questions pertaining to the program;
2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at https://my.ucf.edu;
3. Meet with an advisor in the department of their minor to review progress and prior to graduation, confirm that the minor requirements have been met;
4. File an “Intent to Graduate” online through myUCF by the 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
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

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**Transfer Checklist**

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
<td><em><strong>/</strong></em> date Student Health Form submitted</td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
<td>Y___ N___ need immunizations</td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> date submitted</td>
<td>Y___ N___ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N___ checked admission status at <a href="https://my.UCF.edu">https://my.UCF.edu</a></td>
<td>Y___ N___ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td><em><strong>/</strong></em> date of acceptance</td>
<td>Y___ N___ credits to be taken at the university</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
<th>Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ transcripts sent from all current and prior institutions</td>
<td></td>
</tr>
<tr>
<td>Y___ N___ date final transcript sent after term completed</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> date financial aid application (FAFSA) sent</td>
<td>Y___ N___ selected a major</td>
</tr>
<tr>
<td><em><strong>/</strong></em> date SCHOLARSHIP application sent</td>
<td>Y___ N___ completed major prerequisites</td>
</tr>
<tr>
<td>Y___ N___ “to do” list checked on myUCF</td>
<td>Y___ N___ submitted limited access application</td>
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<tr>
<th>Housing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N___ met grade point average (GPA) requirements</td>
</tr>
<tr>
<td><em><strong>/</strong></em> date application sent (include deposit when required)</td>
<td>Y___ N___ met cumulative GPA for admission to program of study</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Orientation:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> Orientation date at UCF</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y___ N___ met grade requirements for designated courses</td>
<td>Y___ N___ met audition/portfolio/additional admission requirements</td>
</tr>
<tr>
<td>Y___ N___ completed CLAST exam or alternatives</td>
<td></td>
</tr>
</tbody>
</table>

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Note: If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted. 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.
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:

When Do I Pay My Bill?

Office Visits for Transfer Advising

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

Students should:

- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised in groups and then allowed to register. Tuition and fee payments are due by the published deadline.
- 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.

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.

General Education Program Learning Objectives

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

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

Mathematical Foundation
- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions. 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 societal, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other indi-
Satisfactorily complete one course in each of the twelve numbered areas.  

**A. Communication Foundation** 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II PR/ENC 1101</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentation</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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</tbody>
</table>

**B. Cultural and Historical Foundation** 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-present</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3(3,0)</td>
</tr>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARHI 2050</td>
<td>History of Western Art II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 2200</td>
<td>World Religions</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I PR: ENC 1102</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II PR: ENC 1102</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

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

**C. Mathematical Foundation** 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3(3,0)</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1606C</td>
<td>Introduction to Computer Science</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics using Microsoft Excel</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

**D. Social Foundation** 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3,0)</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>Introduction to Psychological</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

**E. Science Foundation** 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PSC 1121*</td>
<td>Physical Science PR: MAC 1105 or MGF 1106</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PHY 2055*</td>
<td>College Physics I: MAC 1105 and MAC 1114</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>CHM 2020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1050P</td>
<td>Biological Principles</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>Geology &amp; Its Applications</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>Intro to Biotechnology and Genetic Engineering</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

*1A one credit laboratory is also available for this course.

1A grade of "C-" (1.75) or better is required in this course.

1A grade of "C" (1.75) or better satisfies three hours of the Gordon Rule requirement.

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Undergraduate Degree Requirements

**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 is then available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

**Alternate Courses:**

**General Education Program**

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

- **GEP Requirement**
- **Acceptable Substitutions**
  - MAC 1105 (College Algebra): MAC 1114, MAC 1140, MAC 2312, MAC 2233, MAC 2311, MAC 2312, MAC 2333
  - MGF 1106 (Finite Mathematics): MGF 1107
  - ECO 2013 (Microeconomics): Any higher level ECO course which has ECO 2013 as a prerequisite
  - PHY 2053C (Physics): PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
  - CHM 1020 (Chemistry): CHM 2045C, CHM 2032, CHM 1440, CHM 2040C & CHM 2041C
  - BSC 1050 or BSC 1050 (Biology): BSC 2010C
  - GEO 1200 (Geography): GEO 2370
  - CGS 1606C: CGS 2100C, COP 2500C, COP 3502C, COP 3502C, COP 3700C
  - STA 2014C (Statistics): STA 2023, STA 3032
  - FIL 1000 (Cinema Survey): FIL 2030, FIL 3036, FIL 3037
  - MUL 2010 (Enjoyment of Music): MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720

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

- **Diversity Requirement**

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida public state university or community college. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the General Education Oversight Committee, so students should consult their departmental advisor for the most current listing.
Undergraduate Degree Requirements

Education Courses:
- ENC 1102 Composition II
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 General Sociology
- ANT 2005 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- WOH 2022 World Civilization II
- LIT 2120 World Literature II

Other Courses:
- ANH 3422 Frontier Florida
- ANH 3426 Sunbelt Florida
- ANH 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
- CCL 4129 Cultural Diversity in Criminal Justice
- CCL 4670 Women and Crime
- CJE 4174 Comparative Justice Systems
- COM 4014 Gender Issues in Communication
- COM 4461 Internship in Communication
- COP 3034 Politics of Developing Areas
- EDG 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 4643 Cross Cultural Communication
- LIN 4XXX African-American Styles of Communication
- AML 3682 Ethnic Literature in America
- LIT 3192 Caribbean Literature
- MMC 4300 International Media
- 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 World Legal Systems
- PLA 4XXX Employment Discrimination
- POS 3627 Cultural Pluralism and Law
- PUB 3225 Women and Politics
- PUB 3422 Politics and Civil Rights
- PUB 3314 Minority Politics
- PUB 4204 Sustainability
- SOW 3620 Social Work with Minorities
- SPW 4772 Black Presence in Contemporary Latin America
- SYD 3800 Sex Roles in Modern Society
- SYP 4732 Minority Aging
- THE 3230 Commonality within Cultural Diversity Experienced through Theater
- WST 3561 Third Wave Feminism
- 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 also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement:
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. (1) College algebra or finite math
2. (2) Statistics or computer science

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

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
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- WOH 2012 World Civilization I
- WOH 2022 World Civilization II
- BSC 2010C Biology I

Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.
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 3431 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 American Culture III
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 4403 China in the 19th and 20th Centuries
ASH 4443 Modern Japan, 19th and 20th Centuries
BUL 3130 Legal and Ethical Environment of Business
DAN 3134 Dance History I
EAS 4700C Aerospace Design I
EGN 4112C Interdisciplinary Design I
EML 4501C Engineering Design I
EIH 3122 Medieval Society and Civilization
EIH 3142 Renaissance and Reformation
EIH 3235 Romanticism and Realism
EIH 3242 Modern Europe and the First World War
EIH 3281 Second World War and Rebirth of Europe
EIH 3411 Ancient Rome
EIH 3451 History of Modern France
EIH 3453 War and Society
EIH 4284 Fascism and the Totalitarian Dictatorships
EIH 4465 Hitler’s Third Reich
EIH 4500 English History to 1485
EIH 4501 English History: 1485-1815
EIH 4502 British History: 1815-Present
EIH 4571 History of Russia to 1801
EIH 4574 History of Russia: 1801-1917
EIH 4576 History of Russia in the 20th Century
EIH 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 3011 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4300 Feature Writing
JOU 4306C Critical Writing
JOU 4308 Freelance Writing
LAD 3130 Latin American History I
LAD 3200 Latin American History II
LAD 3400 History of Mexico and Central America
LAD 3470 History of the Caribbean
NUR 3165 Nursing Research
NUR 3805 Transitional Concepts in Nursing I
PAP 4034 The Administration of Public Policy
PAP 4720 Survey Research in Public Administration
PHE 3100 Ancient Philosophy
PHE 3200 Medieval Philosophy
PHE 3460 Modern Western Philosophy
PHE 3600 Contemporary Philosophy
PHE 3700 American Philosophy
PHI 3083 Research Methods in Philosophy
PHI 3320 Philosophy of Mind
PHI 3322 Minds and Machines; Philosophy of Cognitive Science
PHI 3451 Philosophy of Psychology
PHI 3670 Ethical Theory
PHI 3800 Aesthetics
PHI 3803 Philosophy and Creativity
PHI 3805 Contemporary Aesthetics
PHI 3941 Philosophy Practicum
PHI 4221 Philosophy of Language
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4804 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
RTY 4403 Electronic Media, Technology, and Society
SOW 4222 Social Welfare Policies and Issues
SOW 4341 Micro-Level Roles and Interventions in Social Work
THE 2304 Script Analysis
TPA 4840 Technical Theatre/Design Internship
TPP 3310C Directing for Theatre I
TPP 4840L 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 by the State of Florida to satisfy 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 continue 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. PHP 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 not be admitted, but they must take the CLAST exam during their first term at UCF. 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.

More than 60 credit hours of upper division, non-Gen Ed courses completed at UCF. If the CLAST requirement has not been satisfied, the 36 hours of upper division credit must be registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

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.
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 Student 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 (PH 132) and pass a waiver test. Contact the Student Success Center (PH 216) to complete a petition to waive a CLAST subtest. 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 ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by e-mail). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing 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.

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.

Grades 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.
Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Summer and Fall Registrations begin following the midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/.

Web Enrollment Guide
The Web Enrollment Guide is maintained online. It provides the official “Academic Calendar” and describes the policies and procedures governing registration each term. The Guide is available on the Registrar’s Office 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 of instruction 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 Credit Hours
Full Time 12 or more
Three Quarter Time 9-11
Half Time 6-8
Less Than Half Time less than 6

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

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

Excess Hours
All students should make every effort to enroll in and complete only those courses that are required for their major. Selected courses, minors, university required 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 pro-grants. 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 before a release can be given. Students may check for Holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial Holds, payment to the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the “Academic Calendar”). Drop/Swap 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 drop courses for any future terms or will be fee liable. For Withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please note that, beginning May 2009, the deadline to drop classes without fee liability and a W grade is one day earlier than the last day to add classes. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “Fee Schedule” in the “Financial Information” section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s 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 forms are submitted 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 only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

State Tuition Exemption Program (STEP) (National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to 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 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. Florida Transient 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
REGULATIONS & 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.degreeverify.org. A fee will be charged for such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy

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 407-823-5652. Fax withdrawal 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 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 advice prior to withdrawing from a class. If a student withdraws from any class for the 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 petition for a late withdrawal should consult the 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 "WF" will be recorded on the student’s permanent record; if failing, and a late withdrawal is granted, a "WF" will be entered. Medical and late withdrawals normally are 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 conditions must consult the Office of Student Health 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 request a medical withdrawal may place 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 is 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, conditions of death, involuntary military service or administrative 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 outcome of the 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 equivalent per semester 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>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC - No Credit</td>
<td>*</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 2271, MAC 2281H, STA 111H, STA 211H, and STA 214C. 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 (Athletic, Wayne Densch Center, 103A; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-6960).

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 a 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 Board of Governors. The breach or violation 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 instructors at the beginning of the term to be excused from classes to observe the religious holy day.

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**Legend**

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

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

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and I grades. GPA is recalculated after each term; for Summer GPA is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 (“C”).

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

1. Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:
   
   - Course #1: B+ 3 credit hours x 3.25 grade points = 9.75
   - Course #2: A 3 credit hours x 3.75 grade points = 11.25
   - Course #3: A 4 credit hours x 4.00 grade points = 16
   - Course #4: B 3 credit hours x 3.00 grade points = 9
   
   Total = 46 grade points

2. Divide the total number of grade points by the total number of credit hours earned that term:

   46.00 total grade points / 13 credit hours = 3.54 GPA for that term.

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

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

**Grade Change**
A grade change is the change of any originally assigned grade to another grade, including grades of “I” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school.
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 graduate programs for all University policies and procedures.

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 UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.
- Limited Non-Degree Seeking: A student earning credit, but not working on a degree program.
- Provisional: A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.

Academic Honors

President’s Honor Roll Certificate (Full-Time Award)

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

President’s Honor Roll Certificate (Part-Time Award)

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

Dean’s List

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

Baccalaureate Honors and Diplomas

The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be: Summa Cum Laude for those students in the upper 2.5 percent, Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent, Cum Laude for those students in the upper 10 percent, but not in the upper five percent.

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

Consult the Academic Honors list at http://www.iroffice.ucf.edu/character/honorscutpoints.html for the most up-to-date UCF Honors minimum GPA requirements.

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

Honors in the Major

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

Grade Forgiveness

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

Readmission Prior to Completion of the Required Suspension

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

Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 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. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

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 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 type page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy).
   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 applicant 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 readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

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

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college or school. 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 terms that comprise the Academic Amnesty Program;

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutorial 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-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

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. Transcripts, 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 (https://my.ucf.edu). “Transcript Request Forms” are also 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. Transcripts must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by check, cash 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 with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exemptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Extenuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:

1) Medical condition or serious illness preventing completion;

2) Death of an immediate family member;

3) Involuntary call to active duty;

4) Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.
Financial Hardship:
Should include, but not be limited to, the following:
1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.
For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

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

Majors
The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “PENDING” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “PENDING” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. 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." Undergraduate 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 completed 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 form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:
1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students must 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 student’s records are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;
3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington DC. 20202-4605

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. 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 procedures 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/hea/.

Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. In addition, there are accelerated Undergraduate - Graduate Programs linking the 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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<td>BSC 1005/1005L</td>
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<tr>
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<tr>
<td>Calculus BC</td>
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<td>MAT Found 1</td>
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<td>Chemistry</td>
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<td>CHM 2045C or CHM 2045C and CHM 2045L</td>
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<td>Economics: Micro</td>
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<td>ENC 1101 and 1102</td>
<td>SCI Found 1</td>
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<td>English Literature and Composition</td>
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<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>SCI Found 1</td>
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<td>Environmental Science</td>
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<td>European History</td>
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<td>EUH 2000 and 2001</td>
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<td>GER 2200 and 2201</td>
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<tr>
<td>Government and Politics: Comparative</td>
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<td>Government and Politics: United States</td>
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<td>SOC Found 1</td>
<td>Same as 3</td>
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<td>Italian Language &amp; Culture</td>
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<td>ITA 2200 and 2201</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
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<td>JPN 2200 and 2201</td>
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<td>Latin: Literature</td>
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<td>Latin: Vergil</td>
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<td>Music Theory</td>
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<td>MUT 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher</td>
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<td>PHY 2053C and 2054C</td>
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<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
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<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
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<td>PHY 2048C</td>
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<td>Psychology</td>
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<td>Russian Language &amp; Culture</td>
<td>RUS 2230</td>
<td>RUS 2230 and 2231</td>
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<tr>
<td>Spanish Language</td>
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<td>SPN 2230 and 2231</td>
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<tr>
<td>Spanish Literature</td>
<td>SPW 3100</td>
<td>SPW 3100 and 3101</td>
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<td>Statistics</td>
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<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
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<td>Studio Art: 2-D Design Portfolio</td>
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<td>Studio Art: 3-D Design Portfolio</td>
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<td>United States History</td>
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<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
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</table>

*If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.*
Academic Regulations And Procedures

International Baccalaureate 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 (all modern languages)

International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examina-

**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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<td>BSC 1005/1005L and BSC 2010C</td>
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<td>Chemistry</td>
<td>CHM 1030 and 1020L</td>
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<td>CHM 1030/1005L and CHM 2045C</td>
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<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
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<td>Design Technology</td>
<td>ETI 1410</td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
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<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
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<tr>
<td>English A1</td>
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<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
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<tr>
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<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
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<td>Film Studies</td>
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<td>CUR &amp; HIS Found 2</td>
<td>FIL 1001 and 1002</td>
<td>CUR &amp; HIS Found 2</td>
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<td>French</td>
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<td>MHP 1202 and 1209</td>
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<td>CUR &amp; HIS Found 1</td>
<td>WOH 1030 and WOH 1999</td>
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<td>IDS 1006 (3 credits)</td>
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<td>Islamic History</td>
<td>ASH 1006 (3 credits)</td>
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<td>MAC 1105 and 1140</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1906</td>
<td>CUR &amp; HIS Found 2</td>
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<td>PHY 2053C and 2054C</td>
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<td>Visual Arts</td>
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*This use for General Education applies only to I.B. credit.

**COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

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<tr>
<th>Scale Score of 50 for passing</th>
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<td>Accounting, Financial</td>
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<td>Accounting, Principles of</td>
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<td>Algebra, College</td>
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<td>Algebra-Trigonometry, College</td>
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<td>American Government</td>
<td>POS 2041</td>
<td>SCI Found 1</td>
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<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUR &amp; HIS Found 2</td>
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<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Law, Introduction to</td>
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<tr>
<td>Calculus</td>
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<td>Chemistry, General</td>
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<td>SCI Found 1</td>
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<td>Educational Psychology, Introduction to</td>
<td>EDP 1902</td>
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<td>English Composition with Essay</td>
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<tr>
<td>French Language</td>
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<td>German Language</td>
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<td>AMH 2010</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUR 2000</td>
<td>CUR &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUR 2001</td>
<td>CUR &amp; HIS Found 1 or 3</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 E1121C) 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 E1121C/2200) level. No language 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 of language or literature for a score of 5-7.

IB Latin
LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP) (see table on previous page)
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awards of CLEP credit are subject to the conditions listed below.
- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, nor received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas.
### Academic Regulations and Procedures

for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

### CLEP Language Examinations
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.

### Credit by Examination
Regularly enrolled (excludes transient and non-degree) undergraduate students at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

### 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>PHI1630</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>
</tr>
<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>CGS 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>46</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>
</tr>
<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td></td>
<td>48</td>
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<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
<td></td>
<td>48</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
<td>46</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<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>
</tr>
<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
<td>45</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</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>

### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
<td>45</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>40</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Psychology of Adult hood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>
SPECIAL ACADEMIC PROGRAMS AND RESEARCH INSTITUTES

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 Malmadalen 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.

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.

Experiential Learning at UCF has received national recognition for its institutional support, program innovation, quality instruction and broad-based collaboration. It provides a menu of applied learning options to undergraduate and graduate students in all Colleges, resulting in a third of the student body participating in experiential learning experiences each year. Students are encouraged to come to the Experiential Learning office as early as possible to receive advising and assistance to obtain opportunities and include these courses in their academic programs.

The Experiential Learning department instructs co-op and internship courses and facilitates and supports department 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 within a real-world environment. Courses using this approach are designated with SL in course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student's transcript, is available for students who complete 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 internships, 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 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 also are 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
http://www.ce.ucf.edu

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 governmental 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: 407-823-0566
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 Mouloua; 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; BA2 303E; 407-823-2640

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Research is conducted at the Center to 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; 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: fci@uci.umd.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@uci.umd.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 state. FSEC operates the only certified solar equipment testing program in the state and provides Manufacturing, Testing, Research and Industry (MTRI) and the Florida Center for Solar Technology (FCST) for developing renewable energy technologies. FSEC has developed unique qualifications and is positioned to provide the Florida economy with the human, technical, and technological resources needed to promote the development and deployment of solar energy and other renewable technologies. FSEC is committed to providing economic growth for Florida and to meeting the renewable energy needs of this state and the nation.

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 spacecraft innovations, 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 develop solutions for 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 (PEOSSTRI); Army Simulation Training Technology Center; Naval Air Systems Training 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
- 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.
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 especially 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: echo@bus.ucf.edu http://www.bus.ucf.edu/sbdc

The Small Business Development Center (SBDC) is part of a state-wide 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:

### College of Arts and Humanities
**Bachelor of Arts (B.A.)**

**Majors:**
- Art, Digital Media, English, Film, Modern Language Combination, French, History, Humanities, Music, Philosophy, Religious Studies, Spanish, Theatre

**Bachelor of Fine Arts (B.F.A.)**

**Majors:**
- Art, Film, Theatre

**Bachelor of Music Performance (B.M.)**

**Bachelor of Music Education (B.M.E.)**

**Bachelor of Science (B.S.)**

**Majors:**
- Photography

### College of Business Administration
**Bachelor of Science in Business Administration (B.S.B.A.)**

**Majors:**
- Accounting, Economics, Finance, General Business Administration, Management, Management Information Systems, Marketing, Real Estate

**Bachelor of Arts**

**Major:**
- Economics

**Bachelor of Arts in Business Administration (B.A.B.A.)** (Regional campuses only)

### College of Education
**Bachelor of Science (B.S.)**

**Majors:**

### College of Engineering and Computer Science
**Bachelor of Science (B.S.)**

**Majors:**
- Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), Construction Engineering (B.S.C.E.), Electrical Engineering (B.S.E.E.), Electrical Engineering Technology (B.S.E.E.T.), Engineering Technology (B.S.E.T.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Systems Technology (B.S.), Information Technology (B.S.), and Mechanical Engineering (B.S.M.E.)

### College of Health and Public Affairs
**Bachelor of Arts (B.A.)**

**Majors:**
- Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

**Bachelor of Science (B.S.)**

**Majors:**
- 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

**Bachelor of Social Work (B.S.W.)**

**Major:**
- Social Work

### College of Medicine
**Burnett School of Biomedical Sciences**
**Bachelor of Science (B.S.)**

**Majors:**
- Molecular Biology and Microbiology Biotechnology Medical Laboratory Sciences

**Bachelor of Science in Nursing (B.S.N.)**

**Major:**
- Nursing

### College of Sciences
**Bachelor of Arts (B.A.)**

**Majors:**
- Advertising/Public Relations, Anthropology, Interpersonal/Organizational Communication, International and Global Studies, Journalism, Political Science, Radio-Television, Social Sciences, Sociology

**Bachelor of Science (B.S.)**

**Majors:**
- Actuarial Science, Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics

**Bachelor of Science in Business Administration (B.S.B.A.)**

**Majors:**
- Actuarial Science, Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics

**Bachelor of Science in Business Administration (B.S.B.A.)**

**Major:**
- Economics

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

**Majors:**
- Event Management, Hospitality Management, Restaurant and Foodservice Management

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

**Majors:**
- Interdisciplinary Studies

**Bachelor of Arts (B.A.)**

**Major:**
- Interdisciplinary Studies

**Bachelor of Science (B.S.)**

**Major:**
- Interdisciplinary Studies
<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
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<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>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</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Molecular Biology and Microbiology</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

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

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

**Graduate Programs**

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the [Graduate Catalog](http://www.graduate.ucf.edu/catalog/).
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 course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, 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 course work; 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>
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<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College</td>
</tr>
</tbody>
</table>

The current upper-division requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - **College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors**
    1. Complete one Honors Interdisciplinary Seminar
    2. Complete two Honors upper-division courses or Interdisciplinary Seminars

- **University Honors Upper-Division Program Requirements:**
  - **College of Business Administration (excluding Economics (B.A.))**
    1. Complete one Honors Interdisciplinary Seminar
    2. Complete two Honors upper-division Business courses
       - BUL 3130H Honors Legal and Ethical Envir't of Business
       - GEB 3356H Honors Introduction to International Business
       - MAR 3023H Honors Marketing
       - FIN 3403H Honors Business Finance
       - MAN 3025H Honors Management of Organizations

- **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 Seminar 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:**
  - **College of Health and Public Affairs (COHPA)**
    1. Complete one Honors Interdisciplinary Seminar
    2. Complete two Honors upper-division 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 Nursing**
    1. Complete one Honors Interdisciplinary Seminar
    2. Complete two Honors upper-division courses
       - NUR 3826H Bioethical and Legal Issues in Healthcare
       - NUR 4932H 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.

- **University Honors Upper-Division Program Requirements:**
  - **College of Medicine excluding Medical Laboratory Sciences majors**
    1. Complete one Honors Interdisciplinary Seminar outside the major
    2. Complete two Honors upper-division courses
       - MCB 3020H Microbiology
       - ZOO 3733H Human Anatomy
       - PCB 3703H Human Physiology
       - PCB 3733H Molecular Biology II
       - ZOO 4704H Clinical Neuroanatomy

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

**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-USF_Require.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 90 credit hours of college credit, providing 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.

The Burnett Honors College

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 Directed Readings or one COHPA 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 or Thesis and in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, 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@mail.ucf.edu.

Student-Mentor Academic Research Teams
TBHC oversees the Student-Mentor Academic Research Teams (SMART) program which is designed to allow 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 and the application process should visit http://www.os DFA.honors.ucf.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.

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Colleges
The College of Arts and Humanities offers 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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College of Arts and Humanities
College of Arts and Humanities

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 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 Altrusa Club of Winter Park.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human figure 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, Frederic, Frikides, 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


Professors Emeriti: Adicks, Omsans, 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.film.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
to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies minor is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

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

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

Minors: Film-Cinema Studies (BA)

Department of History
Chair: Rosalind Beiler; CNH 505A; 407-823-5450;
E-mail: history@ucf.edu
http://www.history.cah.ucf.edu


History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication, while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.

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

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

Faculty: Hanson

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

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

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

Latin American, Caribbean, and Latino Studies
Program Director: José Mauneez-Cuadra; CNH 201; 407-823-1173;
E-mail: jmauneez@pegasus.cc.ucf.edu
http://www.lacs.cah.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.cah.ucf.edu

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic studies, philosophy and political science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Chair: Paul Giordano; CNH 523; 407-823-2472;
E-mail: foreignlanguages@ucf.edu
http://www.mll.cah.ucf.edu

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Leticee, Lopez, Ludwig, Mihai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Purmensky, Redmon, Rivera, Solis, Spina, Stubbins, Tartt, Thompson, Trinquet, Villanueva-Ghelfa, Villanova; 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.cah.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
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

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**Department of Philosophy**

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

http://www.philosophy.cah.ucf.edu

**Faculty:** Burris, Cash, Compson, Congdon, Coverston, DiBernardo, Evans, Fiore, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schipper, 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

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**Department of Theatre**

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

http://www.theatre.cah.ucf.edu

**Faculty:** Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Rus-nock, Scott, Seay, Shafer, Siegfried, St. Claire, Stirling, Tollesfon, 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

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**Women’s Studies: Program**

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

http://www.womensstudies.cah.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.oecs.ucf.edu/alp/alp_students_cahum.htm
College of Business Administration

Dean: Thomas L. Keon; BA 230; 407-823-2181

Associate Dean: E. Taylor Ellis; BA2 101-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 faculty, alumni, 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 2011 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
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 will 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 BA 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

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<td>Business Administration</td>
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<td>Economics</td>
<td>BA, BSBA, MS, Ph.D.</td>
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<td>Finance</td>
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<td>Management</td>
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<td>Business (Regional campuses only)</td>
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<td>Real Estate</td>
<td>BSBA</td>
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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, Horik, Judd, Kelliherr, 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 an analytical 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; BA2 305-D, 407-823-3266; E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Charavorty, Dickie, Euzenct, Gerking, Gibbs, Harrisson, Hoffler, Martin, McHone, Milton, Moore, Pennington, Potter, Rutstrom, Scrugin, Soskin, Underwood, White, Yang
Faculty Advisors: R. Pennington, BA2 303-B, 407-823-2640, E-mail: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, BA2 302N, 407-823-1403

Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

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

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

Distinctive Benefits
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of tracks and electives.
- Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

Degrees: Business Economics (BSBA, MS, Ph.D.)
Minors: Economics

Department of Finance
Chair: A. Byrd; BA 408; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Bots-Wright, Byrd, Chambliis, Chen, Curcio, Choi, Dalrymple, Frye, Gatchev, Gilkeson, Gregg, Hoffman, Park, Phillips, Ramanial, Schnitzelein, 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, Blencze, Boettcher, Callarman, Cleaverenger, Connell, Daugherty, Folger, C. Ford, R. Ford, Gay, Harris, Holland, Huang, 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
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 positions is unfilled.

The MIS major prepares students for such entry-level positions as systems 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 responsibility 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 to work with 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.
- Student 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 307; 407-823-2108
http://www.bus.ucf.edu/marketing/index.htm

Faculty: Allen, Bonici, Davis, Desiraju, Echambadi, Ganesh, Gundy, Hightower, Joshi, Krishnamothry, 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 new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, 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

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/alic/alc_students_cba.htm

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College of Education
Dean: Sandra L. Robinson; ED 308; 407-823-5529
http://education.ucf.edu/
Executive Associate Dean: Jennifer C. Platt; 407-823-2046
Associate Dean: B. Grant Hayes; 407-823-5391
Associate Dean: Rex Culp; 407-823-3906

The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, 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

COLLEGE OF EDUCATION
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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, Minority Programs in Education (M PIE), 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, graduation certification, and graduate education. To promote student success, we collaborate with and support College of Education faculty, administrators, and community partners.
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.studentservices.education.ucf.edu/.

Admission to the University of Central Florida does not imply admission to the College of 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.
Academic Advising Center

Executive Director: Tina M. Smith; ED 175; 407-823-0043
Undergraduate Coordinator: Jori 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; 407-823-0686


Undergraduate academic major programs leading to bachelor’s degrees and certificates 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 Spindel; 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


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 undergraduate 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://oecs.ucf.edu/aalc/aalc_students_coe.htm
College of Engineering and Computer Science

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

Executive Associate Dean:
Essam Radwan; HEC 114; 407-823-2156

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

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

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

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

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

Undergraduate Majors and Degrees

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<td>Industrial Engineering</td>
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<td>Information Systems Technology</td>
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<td>Information Technology</td>
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<td>Mechanical Engineering</td>
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Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Departments of Civil, Environmental and Construction Engineering, Engineering Technology, and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Assistant Chair and/or Graduate Coordinator if they have any further questions.

College Vision

The College of Engineering and Computer Science (CECS) at the University of Central Florida will be recognized nationally and globally for undergraduate and graduate education, research, and partnership. CECS will strive to become a top 50-ranked college within the next five years, and a top 25-ranked college within the next 10 years. CECS will achieve high standards in all aspects of education, research and technology application. These accomplishments will take place in a College dedicated to diversity, quality, resource expansion and partnerships throughout all of its operations and programs.

College Mission Statement

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

College Core Values

- Honesty: Tell the truth and be aboveboard and candid.
- Integrity: Be held to the highest standards of trust and accountability.
- Professionalism: Adhere to a professional code of ethics, continuing to learn while striving for excellence.
- Family: Pursue life outside of the professional environment, giving family a priority.
- Altruism: Work as a team; help each other; and sacrifice for the common good. Understand that each individual’s work is part of a larger purpose and plan.

College Goals

- A high caliber, diverse College that is recognized with leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide graduate-like education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships
- A College with national and international visibility.
- An inclusive, open and supportive environment.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering, engineering technology, or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today’s engineer, engineering technologist, and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

College Organization

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 (ECE) 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
Colleges 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 Electronic Systems, leading to the Bachelor of Science in Electrical Engineering Technology (BSEET) degree. Both the BSET Electrical Systems and BSEET 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, computing engineering, and technology. The program is closely related to information technology and computing majors.

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 constitute academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM). The 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) 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 Director, Niels Lobo (Computer Science), Harris Corp. Engineering Center, Room 252, or Mohamed Abdel-Aty, (Engineering) Engineering 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, computer science, and information technology 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.cece.ucf.edu

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

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnE), and Construction Engineering (BSCoE).

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures,
geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

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

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

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

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

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 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 Environmental Engineering graduate education and research.

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

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong 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 several years following graduation, graduates should:

1. Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or 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 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 licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

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

Department Policy for Double 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:

1. The student shall meet all individual requirements for each degree.
2. The coursework must include two different capstone design courses, one from each program.
3. 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.
4. Completion of requirements for both majors must be in the same semester.
5. The same catalog year must be used for both majors.

Additional notes:

1. 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.
2. 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.
3. The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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: Bassioumi, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMara, Deo, Dutton, Foroosh, Gallagher, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Malocha, Marinescu, Mikhail, Mukherjee, Orooj, Pattanaik, Gu, Richie, Rolland, Shah, Shen, Stanley, Sukthankar, Sundaram, Tappen, Turgut, 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 course work. Students may use required elective credit to concentrate their degree in one of many research areas, including computational bio-technology, 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. To prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.

3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.

4. To equip CS graduates with the communication skills, both oral and written, to become effective teamwork-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 mathematici- 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 relating 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 accep- tance 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 neces- sary 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 includ- ing, 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 envi- ronment.
The educational objectives are to prepare:

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 science, computer science, and engineering science necessary to analyze and design complex electrical and electronic devices, software, and systems.
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.
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 opportuni- ties, 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, Hoekstra, Karwowski, Kotnour, Lee, Malone, McCauley-Bush, Mollahasemi, 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 systems 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, Gow, Huang, Iegbusi, Kapat, Kassab, Kumar, Lin, Minardi, Moslehy, Orlovskaya, 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/FE, 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:

1. To produce graduates who communicate effectively, both orally and in writing.
2. To produce graduates who contribute to multi-disciplinary team efforts.
3. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
4. To produce graduates who value life-long learning.
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 graduate 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 have a 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. Provide 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. Mottagh; ENGR 207: 407-823-4748
Faculty: Ali, Burroughs, Craigslist, Divo, Ducharme, Mehrabian, Misconi, Morse, Mottagh, Osborne, Polit, Rahrooh, Shepard, Sletty, 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, 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 of 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 oral 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, societal, and global issues.
11. Display a commitment to quality, timeliness, and continuous improvement.
College of Engineering and Computer Science

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 involves the study of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

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

Requirements for entry into the Professional Officer Course
- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance
All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program
Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for 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@ucf.edu. This information is subject to change.

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

Officer Commissioning
Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

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.

Colleges of Engineering and Computer Science
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/or 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 (MST 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 (MST 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)

3. Monetary Allowance
   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450.00 during the Junior year and $500.00 during the Senior school year.

4. Scholarships
   Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit
   Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students
   These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses

1. Basic Course Summer Training (Leader Training Course)
   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students normally attend the summer following their junior year and receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses
   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/alc/alc_students_coecs.htm

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>
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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>
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<td>Legal Studies</td>
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<td>Public Administration</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</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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Department of Communication Sciences and Disorders
Chair: R. J. Lieberman, HPA2 101, 407-823-4798
http://www.cohsa.ucf.edu/comds

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. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

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.

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).
Faculty: Angeloopoulos, Bertetta, Douglass, Gosnell, Hanney, Lee, McDonough, Saltier, 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 a minimum overall 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 Shideler, 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 Committee 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. Students gain 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 competitive 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, 407-823-6781, E-mail: dsegal@mail.ucf.edu http://www.cohpa.ucf.edu/healthpro/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 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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/alc/alc_students_cohpa.htm
**College of Medicine**

*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; P. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daneli; 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. Tatolian; 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 Program. 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 investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

**Degrees:** 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 (USFCOM) through the accelerated program will meet all USFCOM 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.
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis on evidence-based practice, leadership, and organizational readiness for the application of innovative technologies to nursing education and practice.

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 practice, 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 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/alcalc_students_con.htm
CREOL, The College of Optics and Photonics

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

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 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.
College of Sciences

Dean: Peter Panousis; CSB 201A; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Michael Johnson, CSB 201A, 407-823-3491
Associate Dean: Jack McGuire, CSB 201A, 407-823-3684
Associate Dean: Haven Sweet, CSB 201A, 407-823-2992

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.
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-Sheltar, Nadeau, Noss, Parkinson, Quiqley, Quintana-Ascencio, Roth, Shetiar, Sotero-Esteva, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Waterman, Weishampel, Worlhy.

Professors Emeritus: Ehnhart, 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 subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study 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: chemstl@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, medicine, pharmacy, 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: Fedier, 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 degree. 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 schools.
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 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: Advertising/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: Plutor 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, Dutay, Dutton, Griffis, Han, Higgin, Ismail, Kassab, Katsyvich, Kaw, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Nashed, Neval, Nicholson, Pensky, Phillips, Qi, Reid, Ren, Richardson, Rollins, Schober, Shivamoggi, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, 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, Brit, Brueckner, Campins, Chernyak, Chow, Colwell, Del Barco, Dubey, Efthimiou, Fernandez, Fillisyan, Harrington, Heinreich, Johnson, Kara, Khondaker, Kokouline, Leunenberger, Luo, Martin, Montgomery, Muccio, Neighbor, Peale, Rahman, Roldan-Cuena, Saha, Schelling, Schulte, Stolbov, Tonner, Velissaris
Faculty Emeritus: Brennan, Llewellyn
Visiting Faculty: Cooney, Ngwa, Zhmudskyy

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

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

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

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy
Minors: Astronomy, Physics

Department of Political Science
Chair: 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:
The Undergraduate Psychology Program has two primary missions; to train students 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, family, and changes in the family.

The department offers courses of groups 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.
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, Milman, 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 tourist 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
Academic Advisers:
- Liz Jorgensen; MH 210; 407-823-2581
- Nandini Prasad; MH 210; 407-823-2581
- 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 and first-generation/low-income students to excel as undergraduates prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton; 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.oears.ucf.edu/alc/alc_students_us.htm
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)
   A. Communication Foundations
   - Preferred: SPC 1508
   - 9 hrs
   B. Cultural and Historical Foundations
   - 9 hrs
   C. Mathematical Foundations
   - Select MAC 1140 Pre-Calculus
   - 3 hrs
   - Select CGS 2100C Computer Fundamentals for Business
   - 3 hrs
   D. Social Foundations
   - Select ECO 2023 Microeconomics
   - or ECO 2023 Macroeconomics
   - Select one: PSY 2012, SYG 2000, ANT 2000
   - 3 hrs
   E. 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)
   - GEB 3375 Introduction to International Business
   - ECO 3411 Quantitative Business Tools II
   - FIN 3403C Business Finance
   - MAN 3026 Management of Organizations
   - ISM 3011C Essentials of Management Information Systems
   - MAR 3023 Marketing
   - BUL 3130 Legal and Ethical Environment of Business
   - Last Semester:
   - MAN 4720 Strategic Management

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 Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in 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)
   - AG 3131 Financial Accounting Concepts and Analysis
   - AG 3141 Intermediate Financial Accounting
   - AG 3361 Intermediate Managerial Accounting
   - AG 3351 Accounting and Auditing in the Public Sector
   - AG 4401C Accounting Information Systems
   - AG 4451 Auditing
   - AG 4803 Contemporary Issues in Accounting
   - TAX 4001 Taxation of Business Entities and Transactions

6. Honors in the Major (6 hrs)
   Eligibility: Requirements for admission to the 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:
   - *AGC 4903H Directed Readings in Accounting
   - *AGC 4904H Honors Seminar in Accounting
   - AGC 4970H Honors Thesis in Accounting
   *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.

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 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
### CPA Examination Requirements
Effective August 31, 1983, Florida Law states that to qualify to sit for the CPA exam, one must possess thirty (30) additional semester hours of credit beyond the minimum requirements for the baccalaureate degree. In addition to this overall educational requirement, the following specific criteria also apply:

- 36 hours in accounting beyond elementary, including coverage of financial accounting, auditing, cost and managerial accounting, and taxation.
- 39 hours in general business, including at least 6 hours of business law.

Because of these increased educational requirements, no experience or additional course work is needed for certification. To satisfy the necessary coursework required by the law, the School of Accounting offers the Master of Science in Accounting (MSA) and the Master of Science in Taxation (MST) degree programs. Please see the Graduate Catalog for program requirements. For additional information about the department, curriculum, faculty, events, and careers in accounting, students are invited to visit our department home page at: [http://www.bus.ucf.edu/accounting/](http://www.bus.ucf.edu/accounting/)

### Community/Junior College Transfer Notes
Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher or transferred 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.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Courses taken at community colleges do not substitute for upper division courses.
- Any student receiving a business degree must complete one-half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/acl/academic_learning_compacts.htm](http://www.oaes.ucf.edu/acl/academic_learning_compacts.htm)

### Equipment Fee
- Full-time Student ................................................. $30 per term
- Part-time Student .................................................. $15 per term

### Suggested Four Year Plan of Study - Accounting

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- **C** (2.0) or better grade required in each class.
- **Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major.
- **General electives as required to reach 120 semester hours.

### ACTUARIAL SCIENCE (B.S.)
College of Sciences
Department of Statistics and Actuarial Science
CC II 212, 407-823-5562
http://www.cos.ucf.edu/statistics
E-mail: statistics@mail.ucf.edu
Contact: Stephen Killesson, 407-823-5530

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department.
- Students must earn at least a “C” (2.0) in each STA course.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (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)
   - 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 Prin Financial Accounting ..................................... 3 hrs
   - ACG 2071 Prin Managerial Accounting .................................. 3 hrs
   - FIN 3403C Business Finance ............................................. 3 hrs
   - STA 2023 Statistical Methods I ......................................... GEP

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UCF Degree Programs

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UCF

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### UCF Degree Programs

#### STAT 4321 Statistical Theory I 3 hrs

#### STAT 4322 Statistical Theory II 3 hrs

#### STA 4672 Actuarial Statistical Methods 3 hrs

#### STA 4942 Practicum in Act Science 3 hrs

#### STA 4183 Theory of Interest 3 hrs

#### STA 4130 Life Contingencies I 3 hrs

#### STA 4131 Life Contingencies II 3 hrs

#### COT 4500 Numerical Calculus 3 hrs

#### ENC 3241 Writing for Technical Professionals 3 hrs

#### BSC 2010C Biology I GEP

#### CHM 2046 or PHY 2053C GEP

a. **Select one course**

   - **4 hrs**
   - **MAS 3105**: Linear and Matrix Algebra
   - **MAS 3106**: Linear Algebra

b. **Select a third science course and associated lab** 4 hrs

   - **BSC 2011C**: Biology II (PR: BSC 2010C)
   - **CHM 2045C**: Chemistry Fundamentals (if not taken in GEP)
   - **CHM 2045I**: 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.*

   c. **Select three from among the following:** 9 hrs

   - **STA 4321 Stat Theory I** 3
   - **STA 4322 Stat Theory II** 3
   - **ACG 2071 Prin of Mangr Acc** 3
   - **ENC 3241 Wr the Tech Pof** 3
   - **FIN 3403C Business Finance** 3
   - **MAC 2233, MAC 2253, MAC 2254**: all MAE courses; and **MIF 4404**

### 4. Restricted Upper Division Electives (6 hrs)

- Select from upper division or graduate statistics, actuarial science, or mathematics courses
- Selected courses in business
- Courses may be used only with prior approval by the Department of Statistics and Actuarial Science
- The following cannot be used: **MAC 2233, MAC 2253, MAC 2254**, all MAE courses; and **MIF 4404**

### 5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each STA course.
- Computer competency met by COP 3502C.
- Take SOA Exam P (Probability) and report the score to the department.
- Before applying to graduate, the CLAST must be completed satisfactorily.

### 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 (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.oeas.ucf.edu/alc/academic_learning_compacts.htm](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


### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
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<tbody>
<tr>
<td>STA 2023 Prin of Microeco</td>
<td>ENC 1101 Composition II</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>ECO 2023 Prin of Microeco</td>
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<tr>
<td>MAC 2311 Calc Analytic Geo I</td>
<td>MAC 2312 Calc Analytic Geo II</td>
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<tr>
<td>STA 2023 Stat Methods I</td>
<td>BSC 2010C Biology I</td>
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### Sophomore Year

<table>
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<tr>
<td>COM 1000* req# 1A3-GEP</td>
<td>ENC 3241 Wr the Tech Pol</td>
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<td>PHY 2053C* req# 1E1-GEP</td>
<td>STA 4942 Pract in Act Sci</td>
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<td>MAC 2313 Calc Analytic Geo III</td>
<td>STA 4321 Stat Theory II</td>
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<td>ACG 2071 Prin of Fin Acc</td>
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### Junior Year

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<tr>
<td>STA 4221 Numerical Calculus</td>
<td>ENC 3241 Wr the Tech Pol</td>
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<tr>
<td>MAC 2233, MAC 2253, MAC 2254</td>
<td>STA 4322 Stat Theory III</td>
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<tr>
<td>MAC 2233, MAC 2253, MAC 2254</td>
<td>STA 4322 Stat Theory III</td>
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### Senior Year

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<tr>
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<td>ENC 3241 Wr the Tech Pol</td>
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<td>MAC 2233, MAC 2253, MAC 2254</td>
<td>STA 4322 Stat Theory III</td>
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<tr>
<td>STA 4221 Numerical Calculus</td>
<td>STA 4322 Stat Theory III</td>
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<td>STA 4321 Life Cont I</td>
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<td>STA 4672 Act Stat Methods</td>
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<tr>
<td>STA 4641* req# 3c-Core</td>
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<tr>
<td>STA 4672 Act Stat Methods</td>
<td>STA 4322 Stat Theory III</td>
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</tbody>
</table>

### ADVERTISING/PUBLIC RELATIONS (B.A.)

**College of Sciences**

**Nicholson School of Communication**

**COMM 250, 407-823-2852**


**Contact**: Joan McCain, E-mail: jmccain@mail.ucf.edu

### Admission Requirements

**Limited Access**

- 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 Fall 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, 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.
1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 & ENC 1102 6 hrs
      Select SPC 1608 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 STA 2014C 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
      6 hrs

2. Common Program Prerequisites (0 hrs)
   SPC 1608 Fund Oral Communication GEP
   Select one course
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics
   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 CPP
      ECO 2023 Principles of Microeconomics
      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
      MGG 4111 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 3 hrs

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
   - 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: Marketing
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.oeas.ucf.edu/alcacademic_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
   ENC 1101 Composition I 3
   MGF 1106 or MGF 1107 3
   Select one course
   Fall
   ECO 2013 Principles of Macroeconomics 3
   STA 2014C Principles of Statistics 3
   Select one course
   Spring
   ECO 2023 Principles of Microeconomics 3
   COM 3110 Business and Prof Communication 3
   MGG 4111 Ad/PR Campaigns 3
  Spring
   SPC 1608 Fund Oral Communication 3
   PUR 4000 Public Relations 3
   Select one course
   Summer
   SPC 1608 Fund Oral Communication 3
   PUR 4000 Public Relations 3
   Junior Year
   Fall
   ECO 2013 Principles of Macroeconomics 3
   STA 2014C Principles of Statistics 3
   Select one course
   Fall
   ECO 2023 Principles of Microeconomics 3
   COM 3110 Business and Prof Communication 3
   MGG 4111 Ad/PR Campaigns 3
   Spring
   SPC 1608 Fund Oral Communication 3
   PUR 4000 Public Relations 3
   Senior Year
   Fall
   ECO 2013 Principles of Macroeconomics 3
   STA 2014C Principles of Statistics 3
   Select one course
   Fall
   ECO 2023 Principles of Microeconomics 3
   COM 3110 Business and Prof Communication 3
   MGG 4111 Ad/PR Campaigns 3
   Spring
   SPC 1608 Fund Oral Communication 3
   PUR 4000 Public Relations 3
   Senior Year
   Fall
   ECO 2013 Principles of Macroeconomics 3
   STA 2014C Principles of Statistics 3
   Select one course
   Fall
   ECO 2023 Principles of Microeconomics 3
   COM 3110 Business and Prof Communication 3
   MGG 4111 Ad/PR Campaigns 3
   Spring
   SPC 1608 Fund Oral Communication 3
   PUR 4000 Public Relations 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.mmae.ucf.edu

Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu;
Undergraduate Advisor: Waheed Illasarie;
E-mail: willasar@mail.ucf.edu

Admission Requirements:  none

1. UCF General Education Program for (36+2 hrs)

   Engineering Students
   The UCF General Education Program (GEP) is described in the section
   UCF General Education Program, found elsewhere in the Catalog. Engineering students should closely study the requirements of
   UCF GEP and the allowable substitutions detailed in paragraphs A.
   through E. below to minimize excess hours. Students transferring to
   UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites
   before transferring.

   A. Communication Foundations  9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPH 1603
      B. Cultural and Historical Foundations  9 hrs
      1. Select two courses from Historical Foundations
      2. ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300,
         PHI 2010, LIT 2110, or LIT 2120
      C. Mathematical Foundations  7 hrs
      1. Select MAC 2311 (PR: MAC 1141 & MAC 1140)
      2. Select STA 3032 (PR: MAC 2312)

   D. Social Foundations  6 hrs
   1. Take English ECO 103 or ECO 203, 2003.

   E. Science Foundations  7 hrs
   1. Take Select PHY 2048/48L (PR: MAC 2311)
   2. ANT 2311, BSC 1005, BSC 1050, GYO 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  4 hrs
   (CHM 2045C/45L 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
   Humanities or Social Sciences  3 hrs

   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  Aerospace Career/Academic Advisement I  0 hr
   EAS 4700C Aerospace Career/Academic Advisement II  0 hr

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 3321  Engineering Analysis - Dynamics  3 hrs
   EGN 3343  Thermodynamics  3 hrs
   EMA 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 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 4240  Flight Mechanics  3 hrs
   EAS 4700C  Aerospace Design I  3 hrs
   EAS 4810C  Aerothermodynamics-Propulsion Sys  3 hrs
   EML 3034C  Modeling Methods in MAME  3 hrs
   EML 4312C  Flight Control  3 hrs
   EGN 3601  Solid Mechanics  3 hrs
   EAS 4210  Space Structural Design  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 cours-
es 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
   or EGN 4412C Interdisciplinary Design I  3 hrs
   EAS 4710C Aerospace Design II  3 hrs
   or EGN 4413C Interdisciplinary Design II

   CECC 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 proficien-
ty exam) prior to graduation.

   Graduation:  none

8. University Minimum Graduation Requirements

   A. 2.0 UCF GPA.
   B. 60 semester hours earned after any CLEP award.
   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. 25% of course work must be completed in residency at UCF.
   F. A maximum of 45 hours of extension, correspondence, CLEP, CLEP,
      Credit by Exam, and Armed Forces credits permitted
   G. 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: Mechanical Engineering.
Related Minors: Intelligent Robotic Systems, 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.
- 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 tech-
  nical elective for transfer students. However, students may take
  EGN 1007C in the Spring semester if they do not have knowl-
  edge of Mathcad or Mathlab.

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.

Aerospace Engineering - 128 semester hours required

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<th>FIRST YEAR</th>
<th>12 hrs</th>
<th>Spring</th>
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<tr>
<td>Fall</td>
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<tr>
<td>*ENC 1101 English Comp I 3</td>
<td>EGN 1007C Eng Conc/Meth 1</td>
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<td>*CHS 1440 Chem for Eng 4</td>
<td>EGN 1006C Intro to Eng Prof 1</td>
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<tr>
<td>or CHM 2045C w/lab 4</td>
<td>*SPE 1603 Tech Presentations 3</td>
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<td>*MAC 2311 Calculus I 4</td>
<td>*PHY 2048 Phys Eng/Sci I w/lab 4</td>
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<td>EGN 1006C Intro to Eng Prof 1</td>
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<tr>
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<tr>
<td>EMA 3706 Struct &amp; Prop of Aerospace Mat'l 3</td>
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<td>*Social Foundations 3</td>
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<tr>
<td>STA 3032 Prob &amp; Stats/Engrs 3</td>
<td>EGN 3373 Prin Elec Eng 3</td>
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<td>*MAP 2302 Diff Equations 3</td>
<td>EGN 3321 Engr Anal-Dynmcs 3</td>
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<td>EGN 3343 Thermodynamics 3</td>
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<td>EGN 3310 Engr Anal - Statics 3</td>
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<td>*Historical Foundations 3</td>
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<td>or EAS 3530 Space Sys Concepts 3</td>
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<td>or EGM 4412C Interdiscipl Design I 3</td>
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<td>EAS 4991 AE Career/Acad Adv I 0</td>
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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 in the back of the Catalog for more information.
2. Students should check with the MMAE 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 MMAE 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.

ANTHROPOLGY (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 ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements: none

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
- Students must maintain a grade of “C” (2.0) or better in all courses used for the major.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
- A. Communication Foundations (9 hrs)
- B. Cultural and Historical Foundations (9 hrs)
- C. Mathematical Foundations (3 hrs)
- D. Social Foundations (3 hrs)
- E. Science Foundations (3 hrs)

2. Common Program Prerequisites (0 hrs)

1. ANT 2100* General Anthropology GEP
2. ANT 2511* The Human Species GEP

*See Transfer Notes for possible substitutes. See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Lower Level (6 hrs)

4. Core Requirements: Upper Level (12 hrs)

5. Area Study (3 hrs)

All students are required to take the following upper level courses in the four subdisciplines of Anthropology:

ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3640 Language and Culture 3 hrs
ANT 4034 History of Anthropological Thought 3 hrs
ANT 4586 Human Origins 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 3315 Indians of the Northwest Coast
ANT 3319 The Anthropology of Diaspora
ANT 3320 Indians of the Southwest
ANT 4322 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 Sociology
ANT 3273 Law and Culture
ANT 3302 Sex, Gender, and Culture
ANT 3316 Black/Seminole Relationships
ANT 3330 Cultural Ecology of Amazonia
ANT 3333 American Indian Literature and Culture in Florida
ANT 3350 Living in the USA. Anthropological Perspectives
ANT 3351 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 3701 Applied Anthropology
ANT 3949 Cooperative Education in Anthropology
ANT 4013 Anthropological Perspectives on Fast Food
ANT 4011 Archaeological Sciences (or ANG 5100)
ANT 4180C Seminar in Laboratory Analysis
ANT 4194 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 4422 Medical Anthropology
ANT 4457 Nutritional Anthropology (or ANG 5667)
ANT 4458 Culture, Disease, and Healing
ANT 4516 Human Biological Diversity
ANT 4521C Forensic Anthropology
ANT 4525 Human Osteology
ANT 4528C Advanced Forensic Anthropology
ANT 4560 Anthropological Perspectives on Human Growth
ANT 4700 Culture, Power, and Development (or ANG 5327)
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.

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.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
ANT 2000 General Anthro 3
ENC 1101 Composition I 3
EUA 1000H* req# 1A3-GEP 3

Spring
ANT 2511 The Human Species 3
ANT 2512 Archaeology of the World 3
ENG 1102 Composition II 3

Sophomore Year
Fall
ANT 2410 Cult Anthro Anthro 3
ANT 4034 His of Anthro Tht 3

Spring
ANT 3142* req# 6-ResElect 3
ANT 3164* req# 5-Area 3

Junior Year
Fall
ANT 2511 The Human Species 3

Spring
ANT 3142* req# ResElect 3

Senior Year
Fall
ANT 3164* req# 5-Area 3

Spring
ANT 3142* req# ResElect 3

Graduate Certificate in Maya Studies

Related Programs:
- Graduate Certificate in Maya 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.
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EUA 1000H* req# 1A3-GEP 3

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ANT 2511 The Human Species 3
ANT 2512 Archaeology of the World 3
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Spring
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ANT 3164* req# 5-Area 3

Junior Year
Fall
ANT 2511 The Human Species 3

Spring
ANT 3142* req# ResElect 3

Senior Year
Fall
ANT 3164* req# 5-Area 3

Spring
ANT 3142* req# ResElect 3

Graduate Certificate in Maya Studies

Related Programs:
- Graduate Certificate in Maya Studies

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
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Freshman Year
Fall
ANT 2000 General Anthro 3
ENC 1101 Composition I 3
EUA 1000H* req# 1A3-GEP 3

Spring
ANT 2511 The Human Species 3
ANT 2512 Archaeology of the World 3
ENG 1102 Composition II 3

Sophomore Year
Fall
ANT 2410 Cult Anthro Anthro 3
ANT 4034 His of Anthro Tht 3

Spring
ANT 3142* req# 6-ResElect 3
ANT 3164* req# 5-Area 3

Junior Year
Fall
ANT 2511 The Human Species 3

Spring
ANT 3142* req# ResElect 3

Senior Year
Fall
ANT 3164* req# 5-Area 3

Spring
ANT 3142* req# ResElect 3
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.

Graph 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 Specialization.

Animation students must submit a satisfactory drawing portfolio to be admitted to FIL 3720C.

Students unable to satisfactorily complete either above requirement, ART 3950 - Portfolio Review, Animation Portfolio Review, or the Graphic Design Portfolio Review, may continue in the Art Department in the Art History track.

Students may enter the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.

"D" grades from other institutions do not meet departmental requirements.

Note: Individual portfolio reviews are not possible due to the large number of applicants to the Animation or Graphic Design programs.

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.

UCF Degree Programs

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 ARH 2051  3 hrs
   C. Mathematical Foundations  
      Prefer MGF 1106 or 1107  3 hrs
      (may substitute a higher level math)
      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

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 4154C*)
      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 spe-
      cialization.
      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.)
5. Departmental Exit Requirements (3 hrs)

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<tr>
<td>ART 4935 BFA Exhibit/Seminar required, except for Graphic Design specialization</td>
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</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

6. Foreign Language Requirements (0-8 hrs)

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Art History, Studio Art (BA), Art Education

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 acceptable substitutes for common program prerequisites if taken prior to transferring to UCF.
- GRA 2101C*: A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Program Academic Learning Compacts

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

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<td>FIL 3720C* req# 4b. ResEI</td>
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Application See catalog

Junior Year

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<td>GRA 3151C* req# 4a. Spec</td>
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<tr>
<td>SPN 1120C* req# Lang/Elect</td>
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Application See catalog

Senior Year

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<td>ART 2754C* req# 4b. ResEI</td>
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<td>PGY 2401C* req# 4b. ResEI</td>
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<td>ARH 4450* req# 4c. ResEI</td>
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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

- 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)

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer a course from group B 1.</td>
<td></td>
</tr>
<tr>
<td>Select ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or MGF 1107</td>
<td></td>
</tr>
<tr>
<td>(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>

2. Common Program Prerequisites (6 hrs)

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2201C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art History of Western Art I</td>
<td></td>
</tr>
<tr>
<td>History of Western Art II</td>
<td>GEP</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
</tr>
</tbody>
</table>

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

3. Core Requirements (18 hrs)

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2500</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4330</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Advanced Expository Writing</td>
<td></td>
</tr>
</tbody>
</table>

4. Restricted Electives (24 hrs)

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3520</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4545</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4655</td>
<td>3 hrs</td>
</tr>
<tr>
<td>African Art</td>
<td></td>
</tr>
<tr>
<td>Art of India</td>
<td></td>
</tr>
<tr>
<td>MesoAmerican Art</td>
<td></td>
</tr>
</tbody>
</table>

Undergraduate Catalog 2009-2010
b. One of the following courses: 3 hrs
   ARH 4200  Medieval Art  
   ARH 4350  Baroque Art  
   ARH 4130  Greek Art and Architecture  
   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  
   ARH 3XXX-4XXX  Additional Art History course

c. Select 18 additional hours from following: 18 hrs
   Fall  Spring
   ARH 2050 His of West Art I  3  ARH 2051 His of West Art II  3
   ENC 1101 Composition I  3  ENC 1102 Composition II  3
   HUM 2210* req# 1B1-GEP  3  STA 1060C Stat using Excel  3
   MGF 1106* req# 1C1-GEP  3  ARH 2050 Hst of West Art II  3

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

Related Programs: Studio Art (BA, BFA), Art Education
Related Minors: Studio Art, Partners in Visual Art Education
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/aal/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  Spring
   ARH 2050 His of West Art I  3  ARH 2051 His of West Art II  3
   ENC 1101 Composition I  3  ENC 1102 Composition II  3
   HUM 2210* req# 1B1-GEP  3  STA 1060C Stat using Excel  3
   MGF 1106* req# 1C1-GEP  3  ARH 2050 Hst of West Art II  3

Sophomore Year
Fall  Spring
   COM 1000* req# 1A3-GEP  3  ART 2200 req# 1D2-GEP  3
   POS 2041* req# 1D2-GEP  3  BSC 1006* req# 1E1-GEP  3
   ART 2201C Design Fund II D  3  CHM 1020* req# 1E1-GEP  3
   ART 2300C Drawing Fund II  3  ARH 4545* req# 4a-ResEl  3
   ENC 3311 Adv Exp Writing  3  SPN 1120C req# Lang/Elec  3

Junior Year
Fall  Spring
   ARH 4310 Italian Renaiss Art  3  ARH 4430 19th Century Art  3
   ARH 4450 20th Century Art  3  ARH 4800 Thry Critic of Vis  3
   ARH 3710* req# 4c-ResEl  3  ARH 3711* req# 4c-ResEl  3
   ARH 4655* req# 4c-ResEl  3  Elective* Check restrictions  3
   SPN 1121C req# Lang/Elec  3  SPN 2200* req# Lang/Elec  3

Senior Year
Fall  Spring
   ARH 4350* req# 4b-ResEl  3  ARH 4XXX  3
   ARH 4XXX  3  Elective* Check restrictions  3
   Elective* Check restrictions  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  3 hrs
   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
   (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
   ARH 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 2101C, GRA 4154C)
- 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, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and 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.oeyes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeyes.ucf.edu/alc/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**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2500 History of West Art I 3 hrs</td>
<td>ARH 2051 History of West Art II 3 hrs</td>
</tr>
<tr>
<td>ENC 1101 English Composition I 3 hrs</td>
<td>ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td>HUM 2210 req* 1BL1-GEP</td>
<td>STA 1060C Stat Using Excel 3 hrs</td>
</tr>
<tr>
<td>MGF 1106 req* 1CI1-GEP</td>
<td>ART 2201 Design Fund 2 D 3 hrs</td>
</tr>
<tr>
<td>ART 2820 Art as Interface</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1000 req* 1AG3-GEP</td>
<td>ART 2000 req* 1D2-GEP</td>
</tr>
<tr>
<td>POS 2041 req* 1D1-GEP</td>
<td>BSC 1005 req* 1E2-GEP</td>
</tr>
<tr>
<td>ART 2203C Design Fund 3 D</td>
<td>CHM 1020 req* 1EL1-GEP</td>
</tr>
<tr>
<td>ART 2300C Drawing Fund I</td>
<td>ART 2301C Drawing Fund II</td>
</tr>
<tr>
<td>GRA 2101C Intro to Comp Art</td>
<td>ARH 2500 History of West Art II 3 hrs</td>
</tr>
<tr>
<td></td>
<td>ART 3950 Portfolio Review 0</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3322C req* 4-ResElect</td>
<td>ARH 3161* req* 2-CPP</td>
</tr>
<tr>
<td>GRA 3151C req* 4-ResElect</td>
<td>ART 4320C req* 4-ResElect</td>
</tr>
<tr>
<td>Elective* Check restrictions 3 hrs</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
<tr>
<td>Elective* Check restrictions 3 hrs</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
<tr>
<td>SPN 1120C req* Lang/Elect</td>
<td>SPN 1121C req* Lang/Elect</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4350 req* 4-ResElect</td>
<td>ARH 4430 req* 4-ResElect</td>
</tr>
<tr>
<td>ART 4320C req* 4-ResElect</td>
<td>GRA 4154C req* 4-ResElect</td>
</tr>
<tr>
<td>PGY 3410C req* 4-ResElect</td>
<td>PGY 4420C req* 4-ResElect</td>
</tr>
<tr>
<td>Elective* Check restrictions 3 hrs</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
<tr>
<td>Elective* Check restrictions 3 hrs</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
<tr>
<td>Elective* Check restrictions 3 hrs</td>
<td>Elective* Check restrictions 3 hrs</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundation  (9 hrs)</td>
</tr>
<tr>
<td>1. ENC 1101 English Composition I 3 hrs</td>
</tr>
<tr>
<td>2. ENC 1102 English Composition II 3 hrs</td>
</tr>
<tr>
<td>3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
<tr>
<td>B. Cultural-Historical Foundation  (9 hrs)</td>
</tr>
<tr>
<td>1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs</td>
</tr>
<tr>
<td>2. Select: ARH 2500 History of Western Art I (A grade of “C-” (1.75) or better is required in ARH 2500) 3 hrs</td>
</tr>
<tr>
<td>3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundation  (6 hrs)</td>
</tr>
<tr>
<td>1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs</td>
</tr>
<tr>
<td>2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs</td>
</tr>
<tr>
<td>D. Social Foundation  (6 hrs)</td>
</tr>
<tr>
<td>1. Prefer: POS 2041 American National Government 3 hrs</td>
</tr>
<tr>
<td>2. Prefer: PSY 2012 General Psychology 3 hrs</td>
</tr>
</tbody>
</table>
E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ART 2351 The Human Species or BSC 1005 Biological Principles 3 hrs

*Note: students are strongly 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 Prerequisites (30 hrs)
*ARH 2050 History of Western Art I 3 hrs
*ARH 2051 History of Western Art II 3 hrs
*ART 2201C Designs Fundamentals I 3 hrs
*ART 2203C Designs Fundamentals II 3 hrs
*ART 2300C Drawing Fundamentals I 3 hrs
*ART 2301C Drawing Fundamentals II 3 hrs
*GRA 2101C Intro to Computer Graphics 3 hrs
ART 2754C Ceramics 3 hrs
ART 2900C Painting 3 hrs
ART 2400C Printmaking 3 hrs
PGY 2401C Photography 3 hrs

*Prerequisites for all 3000 and 4000 core and elective ARE and ART courses.

4. Education Core Requirements (15 hrs)
EDG 4410 Teaching Strategies and Classroom Mgmt 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 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 3 hrs
RED 4043 Content Reading K-12 3 hrs

Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is 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 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 (3 hrs)
ARE 3940 Internship I 3 hrs

6. Specialization Requirements (12 hrs)
ARE 4356 Teaching Art Appreciation & Criticism 3 hrs
ARE 4351 Teaching Art in the Elementary School 3 hrs
ARE 4352 Teaching Art in the Secondary School 3 hrs
ARE 4250 Art for Exceptionalities 3 hrs

7. Restricted Electives (9 hrs)
Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

8. Internship II (12 hrs)
ARE 4941 Internship II K-12 12 hrs

9. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

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
■ 60 semester hours earned after CLEP awarded
■ 40 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 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/aic/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 12 hrs
EDF 2005 Intro to the Teaching Prof 3 hrs
ENC 1101 English Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
ART 2050 The History of Western Art I 3 hrs
PSY 1200 General Psychology 3 hrs

Spring 6 hrs
EME 2040 Intro to Tech for Educators 3 hrs
Grp 1B80 Fund of Oral Comm 3 hrs

Sophomore Year
Fall 12 hrs 15 hrs
AMH 2010 US History 1492-1877 3 hrs
ART 2203C Designs Fundamentals II 3 hrs
BSC 1005 Biological Principles 3 hrs
STA 2014C Principles of Statistics or
STA 1060C Basic Stat using MS Excel 3 hrs
PSC 2041 Amer National Govt 3 hrs

Summer 6 hrs
GRA 2101C Intro to Comp Graphics 3 hrs
PGY 2401C Photography 3 hrs

Junior Year
Fall 15 hrs 15 hrs
ARE 4356 Teach Art Apprc & Critic 3 hrs
ART 2301C Drawing Fund II 3 hrs
EDF 4667 Learn Theory & Assmt 3 hrs
EDG 4410 Teach Strat & Class Mgmt 3 hrs
TSL 4080 Theory & Pract of Teach ESOL 3 hrs

Students in Schools (Any ARE/ARH/ART/PGY 3/4XXX
with Advisor approval)

Sumner 6 hrs
ART 2754C Ceramics 3 hrs
Restricted elective 3 hrs

UCF Degree Programs
UCF Degree Programs

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 (TSID, 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 30 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Upon reaching junior standing Biology majors are expected to have completed the following courses: BSC 2010C, BSC 2011C, 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.................................................. 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 CHM 2045C or CHM 2040C and 2041C............................. 4 hrs
      2. Select BSC 2010C ........................................................................ 4 hrs

2. Common Program Prerequisites (16 hrs)

   BSC 2010C* .............................................................................. Biology I
   BSC 2011C* .............................................................................. Biology II
   MAC 2311* Calculus w/ Analy Geometry I GEP
   STA 2023* Statistical Methods I GEP
   CHM 2045C+ Chem Fund I GEP
   CHM 2046L+ Chem. Fund II & Lab................................................. 4 hrs
   Select one Physics sequence with labs* ........................................ 8 hrs
   PHY 2053C College Physics I and
   or
   PHY 2054C College Physics II
   or
   PHY 2048L+ Physics Engr. & Sci. I & Lab and
   PHY 2049L+ 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 (21-22 hrs)

   Select one Chemistry sequence
   CHM 2210 Organic Chem. I and...................................................... 3 hrs
   CHM 2211L Organic Chem. II & Lab .............................................. 5 hrs
   or
   CHM 3120L Analytical Chemistry & Lab and................................. 4 hrs
   CHM 2205 Intro Organic & Biochemistry....................................... 5 hrs
   PCB 3044 Principles of Ecology...................................................... 3 hrs
   PCB 3063 Genetics......................................................................... 3 hrs
   PCB 3023 Molecular Cell Biology................................................... 3 hrs
   PCB 4683 Evolutionary Biology...................................................... 4 hrs

   (Note: Students planning on entering professional or graduate school should take Biochemistry (CHM 4053, CHM 4054) as well as additional Calculus courses. Students are urged to consult 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 open to seniors and beginning graduate students.

4.1 Form/Function (minimum of one lecture course)

   BCH 4053 Biochemistry I................................................................. 3 hrs
   BCH 4054 Biochemistry II.............................................................. 3 hrs
   b BOT 4223C* Plant Anatomy.......................................................... 4 hrs
   b BOT 4303* Plant Kingdom............................................................. 5 hrs
   b BOT 4503* Plant Physiology......................................................... 3 hrs
   b BSC 4101* History of Biology........................................................ 3 hrs
   a CHM 4454* Research in Animal Physiology ............................... 2 hrs
   PCB 3024L* Molecular Cell Biology Laboratory ............................ 2 hrs
   PCB 3063L* Genetics Laboratory.................................................... 1 hr
   a PCB 3333 Immunology................................................................ 3 hrs
   PCB 3703C Human Physiology...................................................... 4 hrs
   PCB 4514* Genetics II.................................................................... 3 hrs
   PCB 4524 Molecular Biology II....................................................... 3 hrs
   PCB 4683L* Evolutionary Biology Lab.......................................... 1 hr
   a PCB 4732* Animal Physiology...................................................... 4 hrs
   a PCB 5565C* Human Genetics....................................................... 4 hrs
   PCB 5953* Population Genetics...................................................... 4 hrs
   a PCB 3711C* Comparative Vet Anatomy...................................... 5 hrs
   a ZOO 3733C Human Anatomy...................................................... 4 hrs
   a ZOO 4603C* Embryology/Development....................................... 5 hrs
   a ZOO 4753C Vertebrate Histology.................................................. 4 hrs

4.2 Environmental (minimum of one lecture course)

   b BOT 308C* Culinary Ethnobotany................................................ 3 hrs
   b BOT 3152C* Local Flora................................................................. 3 hrs
   b BOT 3800* Ethnobotany................................................................. 3 hrs
   b BOT 4156C* Florida Wildflowers................................................ 4 hrs
   b BOT 4683C* Conser & Mgt. of Native Plants............................... 4 hrs
   BSC 5937* Invasion Biology........................................................... 3 hrs
   BSC 4512C* Marine Biology............................................................ 4 hrs
   BSC 5285L* Tropical Bio Research & Conservation...................... 3 hrs
   a BSC 5821* Biogeography............................................................... 4 hrs
   a PAZ 5338* Zoo & Aquarium Mgt. ................................................ 3 hrs
   PCB 3044L* Ecology Laboratory................................................... 1 hr
   PCB 3304C* River Ecology.............................................................. 4 hrs
   PCB 3355C* Tropical Marine Biology............................................. 2 hrs
   PCB 3442* Florida Aquatic Ecology.............................................. 3 hrs
   PCB 5326C* Ecosystems of Florida................................................ 5 hrs
   PCB 5435C* Marine Ecology of Florida......................................... 4 hrs
   PCB 5485* Models in Ecology........................................................ 3 hrs
   a ZOO 4513* Animal Behavior......................................................... 3 hrs
   a ZOO 5120C* Behavioral Ecology.................................................. 3 hrs

4.3 Systematic (minimum of one lecture course)

   b BOT 4713C* Plant Taxonomy........................................................ 5 hrs
   b BOT 5485C* Terrestrial Cryptogams............................................ 3 hrs
   a ENY 4004C* General Entomology.............................................. 4 hrs
   a ENY 5006C* Entomology.............................................................. 4 hrs
   a MC 3020C General Microbiology............................................... 5 hrs
   a ZOO 4205C* Bio & Ecol of Metazoan Inverts............................... 4 hrs
   a ZOO 4310C* Vertebrate Evolution & Ecology............................. 4 hrs
   a ZOO 5456C Ichthyology................................................................. 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 ........................................ $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.sdcs.ucf.edu/
Take Math Placement Test – http://mathplacement.sdcs.ucf.edu/

Freshman Year
Fall
BSC 2010C Biology I 4
CHM 2045C Chem Fund I 4
ENC 1101 Composition I 3
Selective* Check restrictions 3
E elective* Check restrictions 3

Spring
ENC 1102 Composition II 4
BSC 2011C Biology II 4
CHM 2046 Chemistry Fund II 3
CHM 204L Chemistry Fund L 1
Selective* Check restrictions 3

Sophomore Year
Fall
MAC 2311 Calc Analytic Geo I 4
POS 2041 req# 1D1-GEP 3
STA 2023 Stat Methods I 3
CHM 2210* req# 3-Core
PCB 3044 Princ of Ecology 3
Selective* Check restrictions 3

Spring
MAC 2312 Calc Analytic Geo II 4
STA 2023 Stats Methods II 3
CHM 2210* req# 3-Core
CHM 2212L* req# 3-Env
Selective* Check restrictions 3

Junior Year
Fall
PHY 2053C req# 2-CPP 4
PCB 3023 Mol Cell Biology 3
BOT 4303C req# 4.1 ResEl 5
Selective* Check restrictions 3

Spring
PHY 2054C req# 2-CPP 4
PCA 4683 Evolutionary Biology 3
Selective* Check restrictions 3

Senior Year
Fall
HUM 2101* req# 1B1-GEP 3
PSY 2012* req# 1D2-GEP 3
REL 2301* req# 1B3-GEP 3
PCB 4683 Evolutionary Biology 3
Selective* Check restrictions 3

Spring
HUM 2102* req# 1B1-GEP 3
CHM 2311L* req# 1D2-GEP 3
CHM 2311L* req# 3-Core 3
Selective* 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. Logiudice, 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine.

Admission Requirements
■ none

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ No credit by exam (TSD, Military credit) may be used for the major.
■ Co-op or internship credit cannot be used in this major.
■ 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.
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 for 6 hrs
2. Prefer SPC 1503 for 3 hrs

B. Cultural and Historical Foundations
1. Select MAC 2311 for 4 hrs
2. Select STA 2023 for 3 hrs

C. Mathematical Foundations
1. Select CHM 2045C or CHM 2040C and CHM 2041C for 4 hrs
2. Select BSC 2010C for 4 hrs

D. Social Foundations
Select 6 hrs

E. Science Foundations
1. Select CHM 2045C or CHM 2040C and 2041C for 4 hrs
2. Select SPC 1603 for 3 hrs

2. Common Program Prerequisites (16 hrs)

BSC 2010C* Biolog I GEP
BSC 2011C* Biology II 4 hrs
MAC 2311* Calculus w/Analytic Geometry I GEP
STA 2023* Statistical Methods I GEP
CHM 2054C* Chemistry Fund I GEP
CHM 2046 & L Chemistry Fund II & Lab 4 hrs

Select one Physics sequence with lab: 8 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 3004 Principles of Ecology 3 hrs
PCB 3003 Genetics 3 hrs
CHM 2210 Organic Chem. I 3 hrs
CHM 2211 & L 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.
- 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 BCH 3454 Research in Animal Physiology 2 hrs
PCB 3068* Genetics Laboratory 1 hr
PCB 3024L* Molecular Cell Biology Laboratory 2 hrs
PCB 3233 Immunology 3 hrs
PCB 3514* Genetics II 4 hrs
PCB 5665* Human Genetics 4 hrs
a PCB 4723* Animal Physiology 4 hrs
a ZOO 3713C Comparative Vert Anatomy 5 hrs
a ZOO 4653C Embryology/Development 5 hrs
a ZOO 4753C Vertebrate Evolution I 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

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 residency at UCF
A maximum 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/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 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3292.
- 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 2234 or MAC 2243 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.oeas.ucf.edu/al/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
- ENC 1102 Composition II 3
- CHM 2045C Chemistry Fund I 4
- ENC 1101 Composition I 3
- Elective* Check restrictions 3

Spring
- BSC 2011C Biology II 4
- CHM 2046 Chemistry Fund II 3
- Elective* Check restrictions 3

Sophomore Year
Fall
- MAC 2312 Calc Analytic Geo I 4
- POS 2041* req# 1D1-GEP 3
- STA 2022 Stat Methods I 3
- PCB 3023 Mol Cell Biology 3
- Elective* Check restrictions 3

Spring
- MAC 2020C req# 4.3-ResEl 5
- CHM 2210 Organic Chm I 4
- PHY 2048* req# 2-CPP 3
- PHY 2049* req# 2-CPP 3
- HUM 2210* req# 1B1-GEP 3
- MUL 2010* req# 1B2-GEP 3

Junior Year
Fall
- PCB 3024 Prin of Ecology 3
- PCB 3063 Genetics 3
- PCB 3044 Prin of Ecology 3
- Elective* Check restrictions 3

Spring
- HUM 2210* req# 1B1-GEP 3
- PHY 2048* req# 2-CPP 3
- PHY 2049* req# 2-CPP 3
- PCB 4529 Experimental Molecular Biology 3
- ZOO 3133* req# 4.1-ResEl 5

Senior Year
Fall
- PCB 5239 Tumor Biology 3
- PCB 5238 Immunopathology 3
- PCB 4251 Tissue Engineering 3
- PCB 3703C Human Physiology 4
- PCB 4523 Molecular Biotechnology 3
- Elective* Check restrictions 3

Spring
- MCB 5932 Current Topics in Molecular Biology 3
- MCB 5505 Molecular Virology 3
- MCB 5225 Molecular Biology of Disease 3
- MCB 3404 Bacterial Genetics and Physiology 3
- BCH 4053 Biochemistry I 3
- BCH 4054 Biochemistry II 3

A Note on Preparing for the MCAT Examination
An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses, MCB 3020C, and PCB 4524 prior to taking the MCAT exam.

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 who change 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.

- Degrees below “C-” (1.75) in biology 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
- Select STA 2023 3 hrs
- Social Foundations 6 hrs

C. Mathematical Foundations
- Select MAC 2311 or MAC 2253 3-4 hrs
- Select STA 2023 3 hrs

D. Science Foundations
- Select CHM 2045C 4 hrs
- Select BSC 2010C 4 hrs

2. Common Program Prerequisites (21 hrs)

- BSC 2010C* Biology I
- BSC 2011C* Biology II
- CHM 2045C**, 2046 General Chemistry I + II
- CHM 2210, 2211 Organic Chemistry I + II
- PHY 2053C, 2054C College Physics I, II + Lab
- MAC 2311 Calculus with Analytical Geometry I
- STA 2023 Statistics

*See Transfer Notes for possible substitutes

3. Core Requirements (52 hrs)

Life Sciences
- MCB 3020C General Microbiology 5 hrs
- MCB 4114 Microbial Metabolism 3 hrs
- PCB 4239, 3233L Molecular Immunology + Immunology Lab 4 hrs
- PCB 3522, 4524 Molecular Biology I, II 6 hrs

- MCB 3403C Quantitative Biological Methods 4 hrs
- MCB 4712C Methods in Biotechnology 4 hrs
- MCB 41XX Biotechnology/Industrial Seminar 3 hrs
- MCB 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
- CHM 4063 Biochemistry I 3 hrs

Math
- PHY 2053C, 2054C College Physics I, II or 2048, 2049C
- MAC 2311 or MAC 2253

4. Upper Division Restricted Electives (6-8 hrs)

(2 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 3404B 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
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 3 hrs
- PCB 4261 Tissue Engineering 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunopathology 3 hrs
- PCB 5275 Signal Transduction 3 hrs
- PCB 5239 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.

UCF Degree Programs
UCF Degree Programs

- 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: 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, Chemistry, Molecular Biology and Microbiology, Medical Lab Science

Related Minors: Biology, Chemistry, Molecular Biology and Microbiology

Transfer Notes:
Substitutes for Common Program Prerequisites
MAC X311 or MAC X233 or MAC X353 or MAC X281
PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
STA X023 or STA X122 or STA X014 or STA X024 or STA X321

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 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:

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<thead>
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<th>Fall</th>
<th>13 hrs</th>
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<td>ENC 1101</td>
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<td>3</td>
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<td>3</td>
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<td>or ANT 2000</td>
<td>3</td>
<td>CHM 2045</td>
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<td>CHM 2045C</td>
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<td>CHM 2046L</td>
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<tr>
<td>Cultural/Historical</td>
<td>3</td>
<td>BSC 2010C</td>
<td>4</td>
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<th>Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>PHY X221</td>
<td>3</td>
<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>or MAC 3020C</td>
<td>5</td>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>or MAC 2311 (or MAC 2253)</td>
<td>4/3</td>
<td>STA 2023 or CGS 1060C</td>
<td>3</td>
</tr>
<tr>
<td>EUI 2000 or ANH 2010</td>
<td>3</td>
<td>BSC 3403C</td>
<td>4</td>
</tr>
<tr>
<td>or WOH 2012 or HUM 2210</td>
<td>3</td>
<td>EUI 2001 or ANH 2020</td>
<td>3</td>
</tr>
<tr>
<td>or HUM 2230 or WOH 2022</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Plan your required 9 summer hours into your course of study

<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>or ECO 2013 or POS 2041</td>
<td>3</td>
<td>PCB 4239 + PCB 3233L</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 2053C or PHY 2048*</td>
<td>4</td>
<td>PHY 2054C*</td>
<td>4</td>
</tr>
<tr>
<td>or 2048L</td>
<td>3</td>
<td>or PHY2049, 2049L</td>
<td>4</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>
</tr>
</thead>
<tbody>
<tr>
<td>BCI 4053</td>
<td>3</td>
<td>PCB 4529</td>
<td>3</td>
</tr>
<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>
<td>3/4</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>2/4</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>
</tr>
<tr>
<td>MCB 4XXX</td>
<td>3</td>
<td>BSC 3403C</td>
<td>4</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>2/4</td>
<td>BCH 4053</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>restricted elective</td>
<td>3/4</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13/14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4414</td>
<td>3</td>
<td>PCB 4529</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4712C</td>
<td>4</td>
<td>PCB 4239, 2233L</td>
<td>3/1</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>3</td>
<td>PCB 4529</td>
<td>3</td>
</tr>
<tr>
<td>Elective 3000 level</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 (9 hrs)
  Preferred: SPC 1605
- 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
- E. Science Foundation
  CGS 2100C Computer Fundamentals for Business 3 hrs

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

2. Common Program Prerequisites (18-21 hrs)

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Microeconomics 3 hrs
- ECO 2023 Microeconomics 3 hrs
- *ECO 3401 Quantitative Business Tools 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- *UCF students who have completed MC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” or better must take ECO 3401.

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

3. Core Classes (36 hrs)

Required for all students

First or subsequent semester in the College of Business
A. 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. 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 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.oes.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.)

College of Health and Public Affairs
Department of Health Professions
HPA2 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.
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 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)

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

   - 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 1032 and lab

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

   - MAC 1105 College Algebra
   - STA 2023 Statistical Methods I
   - BSC 2010C Biology I
   - MCB 2004C Microbiology
   - ZOO 3733C Human Anatomy
   - PCB 3703C Human Physiology
   - CHM 1032&L Chemistry for Health Sciences or higher level (with lab)
   - PHY 2053C College Physics or higher level

*See Transfer Notes

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

3. **Core Requirements** (72 hrs)

   - RET 3025C Intro. to Respiratory Care
   - RET 3848C Cardiopulmonary Physiology
   - HSC 4555 Pathophyslogic Mechanisms
   - RET 4158 Medical Pharmacology I
   - RET 4503 Chest Medicine
   - RET 4244 Life Support Systems
   - RET 3483C Respiratory Clinical Assessment
   - RET 3264C Mechanical Ventilation
   - HSC 4159 Medical Pharmacology II
   - RET 4414C Pulmonary Function Studies
   - RET 3174 Pediatric Respiratory Care
   - RET 3874 Clinical Practice I
   - RET 4284 Cardiopulmonary Diagnostics I
   - RET 4715 Neonatal Medicine
   - RET 4034 Problems in Patient Management.
   - RET 3875 Clinical Practice II
   - RET 4285 Cardiopulmonary Diagnostics II
   - RET 4934 Selected Topics in Respiratory Care
   - RET 4876 Clinical Practice III
   - RET 4536 Cardiopulmonary Rehabilitation

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
Mathematics with Lab (SQC 1601/L) or (higher level) 4 hrs

Minor        none

Pharmacology and General Science

Pharmacology

Course 4 hrs

Human Anatomy and Physiology I & II (BSC 2093C or BSC 2094C) 8 hrs
General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020/L) or (PHA 2751) 4 hrs

Pharmacochemistry

Course 4 hrs

Human Anatomy and Physiology I & II (BSC 2093C or BSC 2094C) 8 hrs
General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020/L) or (PHA 2751) 4 hrs

Program Academic Learning Compacts

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

Equipment Fee

Full-time Student ................................. $50 per term
Part-time Student ................................. $25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 16
ENC 1101 3
HSC 2000 3
BSC 1010C 4
CHM1032 and lab 3/1
MAC 110S 3

Spring 16
RET 4034 3
RET 4715 3
RET 4534 3
Minor none

Sophomore Year

Fall 14
PHY 2053C 4
ZO 373 SC 4
E U 2001 or HUM 3
2330 or AMH 2020 3
STA 2023 3

Spring 13
RET 4034C 4
HSC 4159 3
E U 2001 or HUM 3
PHY 2048 & L* 4 hrs
E U 2001 or HUM 3
PHY 2049 & L* 4 hrs

Junior Year

Fall 16
RET 3206C 4
Upper division elective 3
HSC 4159 3
HSC 4159 3
RET 3484C 4

Summer 12
RET 4414C 4
RET 3264C 3
RET 3874 3

Senior Year

Fall 17
RET 4284 3
RET 3875 3
RET 4715 3
RET 4034 3

Spring 16
RET 4285 3
RET 4876 3
RET 4534 3

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  none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Research 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 2046 L, and PHY 2049L. These classes are prerequisites for advanced science courses 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)

(See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites  (22 hrs)

CHM 2045C* 4 hrs
CHM 2046 & L 4 hrs
CHM 2210 4 hrs
CHM 2211 4 hrs
MAC 2311 4 hrs
MAC 2312 4 hrs
PHY 2048 & L* 4 hrs
PHY 2049 & L* 4 hrs

*See Transfer Notes for possible substitutes

3. Core requirements  (40 hrs)

MAC 2313 4 hrs
CHM 2211L 2 hrs
CHM 3212L 2 hrs
CHM 3120 & L 4 hrs
CHM 3410 4 hrs
CHM 3411 3 hrs
CHM 3411L 2 hrs
CHM 4610 3 hrs

UCF Degree Programs
UCF Degree Programs

CHM 4610L Inorganic Chemistry Lab 2 hrs
CHM 4130 Adv Analytical Lab Technique 3 hrs
CHM 4130L Adv Analytical Chem Lab 2 hrs
CHM 4914C Undergraduate Research Methods 1 hrs
CHM 4912 Undergraduate Research 4 hrs
CHM 4930 Chemistry Seminar 1 hrs
PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
PHY 2049 & L Physics Engr. & Sci. II & Lab CPP
BCH 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 Biochemistry II 3 hrs
CHM 5225 Advanced Organic Chem I 3 hrs
CHM 5235 Organic Chem III 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 selection will be with the aid of a departmental advisor and approved in advance by the department chair. Course selection will be 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 residency at UCF
- A maximum 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 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.oead.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 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
ENC 1101 Composition I 3
MAC 2211 Calc Analytic Geo I 3

Spring
CHM 2045C Chemistry Fund I 3
CHM 2046L Chemistry Fund II 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
POS 2041* req# 1D1-GEP 3

Spring
PHI 2010* req# 1B3-GEP 3
CHM 2211 Organic Chem II 3
CHM 3411 Physical Chm I 3
MAC 2313 Calc Analytic Geo II 4

Junior Year

Fall
HUM 2210* req# 1B1-GEP 3
CHM 4610L Inorg Chemistry L 2
CHM 4914C undergrad Res Meth 2

Spring
CHM 4220* req# 4-ResEl 3
PCB 3063* req# 5-DtEl 3
CHM 4912 Research 3

Senior Year

Fall
HUM 2210* req# 1B1-GEP 3
CHM 4610L Inorg Chemistry L 2
CHM 4914C undergrad Res Meth 2

Spring
MUL 2010* req# 1B2-GEP 3
SPC 1603 Tech Presentations 3
CHM 4912 Research 3

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; Associate Chair and Civil Program Director: F. Nectal Catbas, Ph.D., E-mail: catbas@mail.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.

   a. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.
   b. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

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. 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.

   b. CHM 2045C/45L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

   c. 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.

   d. 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.

   e. 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.

   f. 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.

   g. 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.

   h. 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.

   i. 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.

   j. 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.

   k. 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.

   l. 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.

   m. 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.

   n. 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.

   o. 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.

   p. 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.

   q. 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.

   r. 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.

   s. 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.

   t. 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.

   u. 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.

   v. 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.

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.

   a. 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 (*).

   b. 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 (*).

   c. 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 (*).

   d. 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 (*).

   e. 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 (*).

   f. 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 (*).

   g. 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 (*).

   h. 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 (*).

   i. 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 (*).

   j. 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 (*).

   k. 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 (*).

   l. 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 (*).

   m. 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 (*).

   n. 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 (*).

   o. 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 (*).

   p. 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 (*).

   q. 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 (*).

   r. 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 (*).

   s. 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 (*).

   t. 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 (*).

   u. 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 (*).

   v. 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 (*).

   w. 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 (*).

   x. 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 (*).

   y. 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 (*).

   z. 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 (*).
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
Fall 14 hrs¹,² Spring 14 hrs¹,²
* 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
* ANTIPSYSYG 3 * PHY 2048L Phys Eng I w/lab 4
or ECO 2023 Macroeconomics 3 EGN 3612 Eng Econ Anal 2
or ECO 2023 Microeconomics 3 EGN 1007C Eng Con & Meth 1
EGN 1006C Intro To Eng Prof 1

SECOND YEAR
Fall 14 hrs¹ Spring 16 hrs¹
* MAC 2313 Calc w/Analy Geo Ill 4 * MAP 2302 Diff Equations 3
* CHM 2045C/IL Chem Funds I 4 * CHM 2046 Chemistry Funds II 3
* HUMANHHEUH - I 3 * PHY 2048L Phys Eng II w/lab 4
EGN 3310 Engr Anal - Statics 3 * GEO/GEY/BSC 3
or EGN 3311 Engr Anal-Dynamic 3 EGN 3321 Engr Anal-Dynamic 3

Summer 9 hrs
* SUR 2101C Surveying 3
EGN 3331 Mech of Materials 3
ENV 3001 Intro to Environ Eng 3

THIRD YEAR
Fall 16 hrs Spring 16 hrs
CWR 3201 Eng Fluid Mechanics 3 CWR 4101C Hydrology 3
CCE 4003 Intro to Const Indus 3 CWR 4203C Hydraulics 3
* SPC 1603 Tech Presentations 3 EGN 3373 Prin Elec Eng 3
CES 4100C Structural Analysis I 3 *PHY 2048L Phys Eng II w/lab 4
STA 3032 Prob/Stats for Engrs 3 TTE 4004 Transportation Eng 4

FOURTH YEAR
Fall 14 hrs Spring 15 hrs
ENV 4561 Env Eng-Proc Design 4 Approved Project Design Course 3
CEG 4011C Geotechnical Engr 4 CES 4702 Reinforced Concrete Strctrs 3
CES 4659 Steel Structures 3 or Technical Elective
or Technical Elective
Approved Project Design Course 3 EGN 3343 Thermodynamics 3
* Cultural Elective

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. Either CES 4655 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the 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 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.

COMMUNICATION SCIENCES AND DISORDERS (B.A., B.S.)
College of Health and Public Affairs
Department of Communication Sciences & Disorders
HPA2 101
http://www.cohpa.ucf.edu/comdis/
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 should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a "C-" (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - Prefer MGF 1106 Finite Math or MGF 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), or (POS 2041)
   - 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 3716 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 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 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 4711 Language Analysis 3 hrs
   - LIN 4711L 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 3 hrs
   - EXE 4601 Introduction to Behavior Management or 3 hrs
   - EE 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 Sciences 3 hrs
   - SPA 4501L Undergraduate Clinical Practicum or 3 hrs
   - SPA 4948 Community Internship 3 hrs

*Note: Students must complete criminal background checks with the FDLE/FBI and certified background.com as a prerequisite to SPA 4056C. Results must be received before course registration.

4. Statistics Requirement (3 hrs)
   Students have two options for completing this requirement:
   - Option 1:
     - STA 2023 Statistical Methods I and 3 hrs
     - STA 4163 Statistical Methods II and 3 hrs
   - Option 2:
     - STA 2014C Principles of Statistics (GEP) or 3 hrs
     - STA 2023 Statistical Methods I and 3 hrs
   - 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.
BSC 1005 3 ECO 2013 3 PSY 2012 3 PSC 1121
ENC 1101 3 ENC 1102 3
Fall                                              15 hrs  Spring                                   15 hrs
Freshman Year
Tentative Course Schedule for Entering Freshmen

Program Academic Learning Compacts

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

University 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 may 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.oeas.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  Spring                                   15 hrs  16/17 hrs
SFC 1608                                     3  SPA 3112 and SPA 3112L  4
EUN 2023 or HUM 2230 or ARH 2020
or MGF 1106 or MAC 1105                     3  Restricted Elective  3
Elective                                     3  EAB 3703, or EDF 3303
or SPA 3471                                   3  or EEX 4601, or EEX 4604,
                                               3  or SPA 3472
                                               3  STA 2014C or STA 2023
                                               3  Foreign Lang. (B.A.)* or
                                               3/4  Health Sciences (B.S.) elective

Summer                                    3/4 hrs  3/4  3/4

Fall                                          13 hrs  Spring                                   13 hrs
LIN 3716                                      3  LIN 3717                                      3
SPA 3011 and SPA 3011L                       3  SPA 3123 and SPA 3123L  4
SPA 3201                                      3  SPA 4476                                      3
STA 4163 or SPA 4803                         3  SPA 3104                                      3

Senior Year

Fall                                          15 hrs  Spring                                   15 hrs
SPA 4032                                      3  SPA 4321                                      3
SPA 4400                                      3  SPA 4501** or SPA 4948  3
LIN 4711 and 4711L                            3  Restricted Elective**  3
SPA 4056C                                     5  Elective                                      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.

Note: Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders. 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.

COMPUTER ENGINEERING (B.S.P.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
E-mail: undergraduate@eecs.ucf.edu
Contacts: 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                                           9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603

B. Cultural and Historical Foundations                                 9 hrs
1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, 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 2023 (PR: MAC 2212)
UCF Degree Programs
D. Social Foundations
6 hrs
1. Prefer ECO 2013 or ECO 2023
2. ANT 2000, PSY 2012, or SYG 2000
E. Science Foundations
7 hrs
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/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 2048/48L*
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
Humanities Courses
GEP
Social Science Courses
GEP
Humanities or Social Sciences
GEP
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
or EGN 3358
Thermo-Fluids-Heat Transfer
STA 3032
Probability & Statistics for Engineers
GEP
4. Courses Required for the Major
COT 3100C
Discrete Structures
COP 3502C
Computer Science I
COP 3503C
Computer Science II
COP 3330
Object Oriented Prog
COP 4331C
Processes Object Oriented SW Dev
EEL 3004
Electrical Networks
EEL 3123C
Networks and Systems
EEE 3307C
Electronics I
EEE 3342C
Digital Systems
EEL 3801
Computer Organization
EEL 4767C
Embedded Systems
EEL 4768C
Computer Architecture
EEL 4781
Computer Comm Networks
COP 4600
Operating Systems

(48 hrs)
3 hrs
3 hrs
4 hrs
3 hrs
4 hrs
3 hrs
4 hrs
4 hrs
3 hrs
3 hrs
4 hrs
4 hrs
3 hrs
3 hrs

5. Approved Technical Electives
(9 hrs)
Technical electives are available in the BSCpE program to address
specific student interests in a variety of technical areas such as
Software Engineering. Students should consult with their 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

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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: Computer Science, Electrical Engineering,
Electrical Engineering Technology (Computer Systems
Concentration).
Related Minors: Information Technology, Computer Science,
Intelligent Robotic Systems, 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 faculty advisor to develop
and maintain an appropriate plan of study.
Computer Engineering - 128 semester hours required
FIRST YEAR
Fall
14 hrs1,3 Spring
15 hrs1,3
*Historical Foundations 1a
3 *ENC 1101 English Comp I
3
GLY/GEO/BSC
3 EGN 1007C Eng Conc & Meth
1
*SPC 1603 Tech Presentations
3 *MAC 2312 Calc with Analy Geo II 4
EGN 1006C Intro to Engr
1 *PHY 2048/L Phys for Eng/Sci I
4
*MAC 2311 Calc with Analytic Geo I
4 COP 3223 Intro to Programming
3
Summer
6 hrs1
*Social Foundations 1
3
*Science Foundations 2
3
SECOND YEAR
Fall
17 hrs1 Spring
16 hrs1
*MAC 2313 Calc with Analytic Geo III
4 *MAP 2302 Diff Equations
3
Historical Foundation
3 ENC 1102 Composition II
3
*PHY 2049/L Phys Engr/Sci II
4 CHS 1440 Chem for Engr
4
EGN 3310 Engr Anal-Statics
3 EEL 3801 Computer Organization 3
COT 3100C Intro Discrete Structures
3 EEL 3004 Electrical Networks
3
Summer
10 hrs1
*Cultural Foundation
3
EEL 3123C Networks and Systems
4
EEE 3342C Digital Systems
3
THIRD YEAR
Fall
16 hrs Spring
15 hrs
COP 3330 Obj Oriented Prog
3 Social Foundation
3
COP 3502C Computer Science I2
3 COP 3503C Computer Science II 4
EEE 3307C Electronics I
4 EEL 4767C Embedded Systems
4
EGN 3321 Engr Anal-Dynamics
3 COP 4331C Processes Obj Ornt
4
or EGN 3358 Ther-Flds-Ht Tran
SW Dev
STA 3032 Prob/Stats for Engr
3
FOURTH YEAR
Fall
16 hrs1,3 Spring
12 hrs
EEL 4768C Computer Architecture
4 COP 4600 Operating Systems
3
EEL 4914 Senior Design I
3 Approved Technical Elective
3
Approved Technical Elective
3 EEL 4915L Senior Design II
3
Approved Technical Elective
3 EEL 4781 Comp Comm Networks 3
*ECO 2013 Macroeconomics
3
or ECO 2023 Microeconomics

UNIVERSITY OF CENTRAL FLORIDA

2009-2010 Undergraduate Catalog


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, proof, 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
   - Communication Foundations
     1. ENC 1101 & ENC 1102
     2. Prefer SPC 1603
   - Cultural and Historical Foundations
     9 hrs
   - Mathematical Foundations
     1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
     2. Select STA 2023
   - Social Foundations
     6 hrs
   - Science Foundations
     8 hrs
   18 of the 24 Residency hours must be at the 4000-5000 level
   (36+3 hrs)

2. Common Program Prerequisites
   - 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
   - BSC 2011C Biology I
   - BSC 2011C Biology II
   - CHM 2045C Chem. Fund I
   - CHM 2046 Chem. Fund II
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   (15 hrs)

3. Basic Core Requirements
   - COP 3320 Intro to OO Programming
   - COP 3502C Computer Science I
   - COP 3503C Computer Science II
   - STA 2023 Statistical Methods I
   - ENC 3241 Technical Report Writing
   - EEL 3801 Computer Organization
   - COT 3100C Intro to Discrete Structures
   - CIS 3360 Security in Computing
   - COP 3402 Systems Software
   - COP 3960 Foundat. Exam (PR:COT 3100C & COP 3502C)
   (25 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 4520 Programming Languages I
   - COP 4600 Operating Systems
   - COP 4810 Topics in Computer Science
   (20 hrs)

5. Restricted Electives
   (variable)
   - 4000-5000 level Computer Science courses
   - Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   - 4000-5000 level mathematics or statistics
   - 6 hrs
   - courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

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
   - 60 semester hours earned after CLEP awarded
   - 30 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:
- Computer Engineering, Information Technology, Management Information Systems
- Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks, Interdisciplinary Informatics Technology
- 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
UCF Degree Programs

FIRST YEAR
Fall 12 hrs
  ENC 1101 English Comp I 3
  MAC 2311 Fndtns of Calculus 4
  MAC 2311 Calc with Analy 3
  COP 3104 Intro. Discrete Structures 3
  COP 3223 C Programming 3
  ENC 3801 Comp Organization 3
  COP 3330 Intro to OOP/Java 3
Summer 7 hrs
  MAC 2312 Calc with Analy Geo 2 4
  COP 3330 Intro to OOP/Java 3

SECOND YEAR
Fall 14 hrs
  COP 3402 Systems Software 3
  COP 3503 Comp Science II 4
  PHY 2045 Physics for Sci wlab 4
  Culural Foundations 3
  CIS 3360 Security in Computing 3
Summer 6 hrs
  STA 2023 Statistical Methods 3
  Social Foundations 3

THIRD YEAR
Fall 14 hrs
  EEL 4768C Computer Architecture 4
  COP 4020 Programming Langs 3
  BSC 2010C Gen Biology I 4
  Social Foundations 3
  CS Elective 3
Summer 3 hrs
  COT 4210 Discrete Structure II 3

FOURTH YEAR
Fall 12 hrs
  COT 4810 Topics in CS 3
  CS Elective 3
  Historical Foundations 3
  Historical Foundations 3
  Free Elective 3
  Free Elective 3
Summer 7 hrs
  COT 4960 Foundation Exam 0
  COT 4100C Intro. Discrete Structures 3

Accelerated BS/MS Degree Program
The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows 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(*)

CONSTRUCTION ENGINEERING (B.S.Con.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.
Construction Program Director: Amr A. Oloufa, Ph.D., P.E., E-mail: aooloufa@mail.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 9 hrs
  1. ENC 1101 & ENC 1102
  2. Prefer SCI 1203
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 1144 and MAC 1140)
  2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations 6 hrs

E. Science Foundations 7 hrs
  1. Select PHY 2045/48L (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 2045/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

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(*)

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 (Hydraulics), 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)

CCE 4810C Construction Engr. Design Project
CEG 4810C Geotechnical Engr. Design
UCF Degree Programs

Fall                                             14 hrs 1  Spring                                  15 hrs 1
FIRST YEAR
Engineering students should meet with their departmental academic advisor prior to developing and maintaining an appropriate plan of study.

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

Tentative Course Schedule for Entering Freshmen

By 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.oes.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

CONSTRUCTION ENGINEERING – 128 semester hours required

FIRST YEAR
Fall                                             14 hrs 1  Spring                                  15 hrs 1
- 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 - PHY 2048L Phys Engr I w/lab  4
- ECO 2013 Macroeconomics  3 - GEO GLY/BS 3
- or ECO 2033 Microeconomics  3 - EGN 1007C Eng Con & Meth 1
- EGN 1006C Intro To Eng Prof  1

SECOND YEAR
Fall                                             16 hrs 1  Spring                                  16 hrs 2
- MAC 2313 Calc w/Analy Geo III  4 - MAC 2302 Diff Equations  3
- CHM 2045/L Chem Funds I  3 - CHM 2046 Chemistry Funds II  3
- HUM/AMHEH/P 3 - PHY 2049/L Phys Engr II w/lab  4
- EGN 3310 Engr Anal - Statics  3 - HUM/AMHEH/P 3
- EGN 3613 Eng Econ Anal  3 - EGN 3311 Mech of Materials  3
- Summer ...........................................9 hrs 1
- SPC 1650 Tech Presentations  3
- STA 3032 Prob/Stats Engineers  3
- ENV 3001 Intro to Environ Eng  3

THIRD YEAR
Fall                                             16 hrs 1  Spring                                  15 hrs 2
- 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  3 - or CES 4605 Steel Structures  3
- or Cultural/Historical elective  3 - CCE 4004 Construct Methods  3
- CGN 3501C Civil Engrg Materials  3 - SUR 2101C Surveying  3
- CWR 3201 Eng Fluid Mechanics  3

FOURTH YEAR
Fall                                             15 hrs 1  Spring                                  12 hrs
- TIE 4004 Transportation Engr  4 - CCE 4810C Constr Design Project  3
- CCE 4034 Construc Est & Sched  3 - CCE 4402 Constr Equip & Prod  3
- EGN 4011G Geotechnical Engr  3 - CEG 4801C Geotech Eng Design  3
- CCE 4813 Mech & Elec Bldgs  3 - ACG 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 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.
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.cooha.ucf.edu/crim jus/
E-mail: cjadvise@mail.ucf.edu

Admission Requirements  none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- 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)
   A. Communication Foundations  9 hrs
   B. Cultural Historical Foundations  9 hrs
   C. Mathematical Foundations  6 hrs
   D. Select MGF 1106 Finite Math or MGF 1107
      - Select CGS 1060C, STA 1060C, or STA 214C
   E. Science Foundations  6 hrs
   F. Social Foundations  6 hrs

2. Common Program Prerequisites  none

3. Core Requirements  (18 hrs)
   CCJ 3024 Criminal Justice System  3 hrs
   CJ 3141 Crime in America  3 hrs
   CJ 3510 Prosecution and Adjudication  3 hrs
   CJ 3310 Corrections and Penology  3 hrs
   CJE 4014 Police and Society  3 hrs
   CCJ 4701 Research Methods in Criminal Justice  3 hrs
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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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 of 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 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 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 listed at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 14 hrs  Spring 15 hrs
ENC 1101 3  ENC 1102 3
AMH 2020 3  CJ Elective 3
EUH 2000 or HUM 2210 3  CJ Elective 3
PAP 2102 2  Supporting Elective 3

Sophomore Year
Fall 15 hrs  Spring 15 hrs
SPC 1608 3  CCJ 3024 3
EUH 2001 or HUM 2230 or ARH 2020 3  CCJ 3014 3
BSC 1005 or MCB1310 or GLY 1030 or PSC 1121 or ANT 2511 3  CJ Elective 3
Elective 3  Supporting Elective 3
POS 2041 or ECO 2013 3  Elective 3

Junior Year
Fall 15 hrs  Spring 15/16 hrs
CJC 3510 3  CJE 4014 3
CJC 3510 3  CCJ 4701 3
CJ Elective 3  CJ Elective 3
Supporting Elective/Foreign Language 3  Supporting Elective/Foreign Lang. 3
CJ Elective 3  CJ Elective 3

Senior Year
Fall 15 hrs  Spring 12/15 hrs
CJ Elective 3  CCJ Internship or CJ Elective 3
CJ Elective 3  CJ Elective 3
Supporting Elective 3  Supporting Elective 3
Elective 3  Elective 3
Elective 3  Elective (if necessary) 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.

Admission Requirements
   none

Degree Requirements
   UCF students who change degree programs and select this major must adopt the most current catalog.
   Students must earn at least a “C” (2.0) in each required course, except DIG 2000 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
   - Select two additional courses from approved list
   - 6 hrs
   C. Mathematical Foundations
   - 6 hrs
   D. Social Foundations
   - Select MAC 1105 College Algebra and Select COP 2500C Concepts in Computer Science
   - 3 hrs
   E. Science Foundations
   - Select from approved list of courses
   - 6 hrs
   F. Science Foundations
   - Select from approved list of courses

2. Common Program Prerequisites (6 hrs)
   ART 2200C
   - Drawing Fundamentals I
   - 3 hrs
   ART 2201C
   - Design Fundamentals – Two Dimensional
   - 3 hrs
   ARH 2050
   - History of Western Art I
   - 3 hrs
   and ARH 2051
   - History of Western Art II
   - GEP
   COP 2500C
   - Concepts in Computer Science
   - GEP
   MAC 1105
   - College Algebra
   - GEP
Note: Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.

### 3. Digital Media Core (24 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3</td>
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<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>Digital Imaging Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3024</td>
<td>Digital Cultures &amp; Narrative</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3460C</td>
<td>Computer as a Medium</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling For-real-time Systems I</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4713</td>
<td>Game Design</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4715C</td>
<td>Game Production</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4720C</td>
<td>Casual Game Production</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4530C</td>
<td>Media for E-Commerce I</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3151C</td>
<td>Illustration</td>
<td>3</td>
</tr>
</tbody>
</table>

##### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 4725C</td>
<td>Game Design Workshop</td>
<td>6</td>
</tr>
<tr>
<td>DIG 4725C</td>
<td>Game Design Workshop</td>
<td>6</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3134</td>
<td>Media Software Design</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3563</td>
<td>Information Management &amp; Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3716C</td>
<td>Internet Interaction</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3811</td>
<td>User Centered Design</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4630C</td>
<td>Media Business Practices</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4503</td>
<td>Rapid Application Web Development</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4530C</td>
<td>Media for E-Commerce I</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3801C</td>
<td>Intermediate Computer Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>

##### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 4104C</td>
<td>Web Design Workshop</td>
<td>6</td>
</tr>
<tr>
<td>DIG 4104C</td>
<td>Web Design Workshop</td>
<td>6</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3951</td>
<td>Portfolio Review</td>
<td>3</td>
</tr>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4326C</td>
<td>Geometric Modeling Workshop</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3734C</td>
<td>Intermediate Animation</td>
<td>3</td>
</tr>
</tbody>
</table>

##### 4.3.B: Visual Language – Basic Concentration: (24 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3355C</td>
<td>Artificial Environments &amp; Effects</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3433C</td>
<td>Visual Storytelling &amp; Visual Development</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4350C</td>
<td>Artificial Environments &amp; Effects Workshop</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4206C</td>
<td>New Imagery in Motion</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4394C</td>
<td>Motion Graphics Advanced Compositing</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4434C</td>
<td>Narrative Technology in the Moving Image</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4468C</td>
<td>Visual Language of the Moving Image II</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4451C</td>
<td>Visual Story &amp; Visual Development Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

##### 4.3.C: Character Animation – Restricted Electives: (7 hrs)

**Complete 7 hours of credits from the following areas:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
</table>
| 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 examination for foreign languages may be used to meet the requirement.

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### UCF Degree Programs

**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

**Related Minors:** Art-Studio, Computer Information Technology, Computer Science, English-Technical Writing, 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.oesu.ucf.edu/alc/academic_learning_compacts.htm](http://www.oesu.ucf.edu/alc/academic_learning_compacts.htm)

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**Equipment Fee**

- Full-time Student ........................................... $90 per term
- Part-time Student ............................................ $45 per term

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**EARLY CHILDHOOD EDUCATION (B.S.)**

**PRE-KINDERGARTEN – PRIMARY (PK-3)**

**College of Education**

**Department of Child, Family and Community Sciences**

**ED 209**

[http://education.ucf.edu/ece/](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 college or state university
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.5 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](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 393OC 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 (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. 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 (6 hrs)
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 (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 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Technology to Support 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 Schtl Math 4 hrs
EDF 2190* 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 or 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 accomplishments 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 393OC 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.

Summer (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Passing score on the Subject Area Examination (Prekindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.

Semester III (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in 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 Student Teaching (EEC 4943 Internship).
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

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/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.

Freshman Year

Fall 12 hrs Spring 15 hrs
EDF 2005 Intro to the Teaching Prof 3 EDF 2085 Intro to Diversify 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 2112 Physical Science 3

Summer 6 hrs
POD 2041 Amer National Gov 3
ARE 2111 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 Advel Devel Ed* 3
EME 2040 Intro to Tech for Educators 3 EDF 2720 Child in Sch. Legal. 3
BSC 1005 Biological Principles or 3 Ethical and Safety Concerns* 3
ANT 2511 The Human Species 3 EEC 4303 Plan Creat Activities in EC 3
STA 2014C Princ of Stats or 3 EEC 4604 Class Mgt Guid Yng Child 3
STA 1000C Fund of Oral Comm 3 ECO 3401 Quantitative Business Tools I 3
GEP B1 elective (Prefer AMH 2010) 3 ECO 3411 Quantitative Business Tools II 3
*Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.

Summer 6 hrs
PSD 2041 Amer National Gov 3
ARE 2111 EC Art & Creativity or 3
MUE 2211 EC Music & Move 3

Junior Year

Fall 15 hrs Spring 15 hrs
ECO 2013 Principles of Macroeconomics 3 ECO 4401 Research Methods in Economics 3
ECO 2023 Microeconomics 3 ECO 4751 Law and Economics 3
GEP B3 elective (Prefer AMH 2020) 3 EEC 3700 Soc & Emo Dev of Young 3
*Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.

Summer 6 hrs
ECE 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 Assess 3
ECE 3930C ECE Seminar Bridging 3
Theory to Prac (This course includes in-school field experiences.)

10. Admission Requirements

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (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)
- Select STA 2023 Principles of Statistics
- 3 hrs
D. Social Foundations
- Select ECO 2013 Macroeconomics or
- ECO 2023 Microeconomics
- 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
- GEP
- ECO 2023 Principles of Microeconomics
- 3 hrs

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

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 3411 Quantitative Business Tools II 4 hrs
- ECO 4451 Research Methods in Economics 3 hrs
- **At UCF, students who have completed MAC 2233 (or any Calculus I and 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 4163 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
- ECO 4303 History of Economic Thought
- EDP 4403 Industrial Organization and Game Theory

Select any other three 3000 - 4000 level ECO, ECS or ECP (excluding 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 4504 Public Economics
- ECO 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 and this track’s restricted elective courses.

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
- ECO 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.o eas.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
- MAC 1140* (or Calculus) 4 ECO 3411 (or STA 4321 or 4322) 3
- ECO Elective 3 STA 2023* 3

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
- ECO 2013* Macroeconomics 3 ECO 3101 Inter Microeconomics 3
- Science 3 Science 3
- Psy/Soc/Ant 3 ***Elective 3
- ECO 3401 (if no prior Calculus) 3 Foreign Language 3
- Foreign Language 3 Foreign Language 3
- ***Elective 3 ***Elective 3

Junior
1st Term 16 hrs 2nd Term 15 hrs
- ECO 3203 Inter Macroeconomics 4 ECO Elective 3
- ECO 3411 (or STA 4163 or 4321) 3 ECO Elective 3
- Minor** 3 Minor** 3
- Minor** 3 Minor** 3
- Minor** 3 Minor** 3
- Minor** 3 Minor** 3

Senior
1st Term 15 hrs 2nd Term 14 hrs
- ECO Elective 3 ECO Elective 3
- ECO Elective 3 ECO Elective 3
- ECO Elective 3 ECO Elective 3
- ECO Elective 3 ECO Elective 3
- Minor** 3 Minor** 3
- Minor** 3 Minor** 3
- **18 hours (minimum) of minor required.
- ***General electives as required to reach 120 semester hours.
A. Communication Foundations

1. UCF General Education Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Foundations</td>
<td>9</td>
</tr>
<tr>
<td>Preferred: SPC 1608</td>
<td></td>
</tr>
<tr>
<td>Cultural and Historical Foundations</td>
<td>9</td>
</tr>
<tr>
<td>Mathematical Foundations</td>
<td></td>
</tr>
<tr>
<td>Select MAC 1140 Pre-Calculus Algebra or Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Select CGS 2100C Computer Fundamentals for Business</td>
<td>3</td>
</tr>
<tr>
<td>Social Foundations</td>
<td></td>
</tr>
<tr>
<td>Select ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Select one: PSY 2012, SYG 2000, ANT 2000</td>
<td>3</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>6</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td><em>ECO 3401 Quantitative Business Tools I</em></td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3</td>
</tr>
<tr>
<td><em>At UCF, students who have completed MAC 2333 (or any Calculus 1 &amp; 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.</em></td>
<td></td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
</tbody>
</table>

3. Core Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031 Cornerstone (Required in 1st or 2nd semester)</td>
<td>4</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4</td>
</tr>
<tr>
<td>BUL 3130 Legal &amp; Ethical Environ. of Business</td>
<td>4</td>
</tr>
<tr>
<td>ECO 3411** Quantitative Business Tools II</td>
<td>4</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td>4</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4</td>
</tr>
<tr>
<td>ISM 3011C Essentials of Management Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4</td>
</tr>
<tr>
<td>Last Semester: MAN 4720 Strategic Management</td>
<td>4</td>
</tr>
<tr>
<td><strong>STA 4163 or STA 4321 may substitute for ECO 3411</strong></td>
<td></td>
</tr>
</tbody>
</table>

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.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

5. Required Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703 International Trade</td>
<td></td>
</tr>
<tr>
<td>ECO 4704 International Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECS 4013 Economics of Developing Areas</td>
<td></td>
</tr>
</tbody>
</table>

**STA 4163 or STA 4321 may substitute for ECO 3411.**

5. Required Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703 International Trade</td>
<td></td>
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<tr>
<td>ECO 4704 International Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECS 4013 Economics of Developing Areas</td>
<td></td>
</tr>
</tbody>
</table>

**STA 4163 or STA 4321 may substitute for ECO 3411.**

6.6 GENERAL TRACK

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703 International Trade</td>
<td></td>
</tr>
<tr>
<td>ECO 4704 International Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECS 4013 Economics of Developing Areas</td>
<td></td>
</tr>
</tbody>
</table>

**STA 4163 or STA 4321 may substitute for ECO 3411.**

6. GENERAL TRACK

Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

For double majors in Finance, two of these electives can be selected from Finance with advisor's approval.

6.5 ECONOMICS OF GOVERNMENTAL REGULATION TRACK

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4412 Econometrics</td>
<td></td>
</tr>
<tr>
<td>ECO 3203 Money and Banking</td>
<td></td>
</tr>
<tr>
<td>ECO 4704 International Macroeconomics</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4751 Law and Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 3203 Labor Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 4403 Industrial Organization and Game Theory</td>
<td></td>
</tr>
</tbody>
</table>

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.

For double majors in Finance, two of these electives can be selected from Finance with advisor's approval.

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703 International Trade</td>
<td></td>
</tr>
<tr>
<td>ECO 4412 Econometrics</td>
<td></td>
</tr>
<tr>
<td>ECO 3410 Mathematical Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 4504 Public Economics</td>
<td></td>
</tr>
<tr>
<td>ECP 4403 Industrial Organization and Game Theory</td>
<td></td>
</tr>
</tbody>
</table>

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, 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.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 ECO 2021* Microeconomics 3
Cult-Hist I* 3 ECO 2022* Microeconomics 3
SPC 1608 3 Art/Music/Lit 3
MAC 1140* (or Calculus) 3 ENC 1102* 3
***Elective 3 GEB 2100C* 3
**Must complete 9 hours in a summer semester.

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2033* Macroeconomics 3 ECO 3011 Inter Microeconomics 3
AGC 2021* 3 ECO 2071* 3
**Science 3 ECO 2071* 3
Psy/Soc/Art 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
2. Prefer SPC 1603

B. Cultural and Historical Foundations 9 hrs
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FLL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations 7 hrs
1. Select MAC 2311 (PR: MAC 1144 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. ANT 2511, BSC 1050, BSC 2050, GYS 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/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 2048/48L 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  3 hrs

Humans or Social Sciences  GEP

See “Common Prerequisites” in the Transfer and Transitions Services section 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  3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer  3 hrs
EEL 3470 Electromagnetic Flds 3 Approved Technical Elective  3 hrs
EEL 4750 Digital Signal Processing Fund.  3 hrs
EG 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 4915L Senior Design II  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 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.
UCF Degree Programs

ELECTRICAL ENGINEERING TECHNOLOGY - ELECTRICAL SYSTEMS CONCENTRATION (B.S.E.E.T.)
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: Dr. Alireza Rahrooh, E-mail: rahrooh@mail.ucf.edu

Admission Requirements  none

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  (36+2 hrs)
A. Communication Foundations  9 hrs
   1. ENC 1101 & 1102
2. Prefer SPC 1803
B. Cultural and Historical Foundations  9 hrs
   1. Select MAC 1105
   2. Select STA 2023
C. Mathematical Foundations  6 hrs
   1. Select MAC 2311
   2. Select MAC 2323
D. Social Foundations  8 hrs
   1. Select PHY 2053C
   2. Select BSC 1005/1006L, BSC 1050/1050L, or BSC2010C
E. Science Foundations  8 hrs
   1. Select PHY 2053C
   2. Select MAC 2311

2. Common Program Prerequisites (CPP)  (6/8 hrs)
(C (2.0) or better grades are required in all courses)

MAC 2233  Calculus I  3/4 hrs
or MAC 2211  Calculus w/Analytical Geometry I  3/4 hrs
MAC 2254  Applied Calculus II or equiv  3/4 hrs
or MAC 2312  Calculus w/Analytical Geometry II  3/4 hrs
PHY 2053C  College Physics I/Lab  GEP
or PHY 2048L  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 1005/L, BSC 1050/L, GEO 1200/L, BSC2010C  GEP
ENC 3241  Writing for the Technical Professional  3 hrs
MAC 1105  College Algebra  GEP
MAC 1114  College Trigonometry  3 hrs
MAC 2253  Applied Calculus I  CPP
or MAC 2311  Calculus II  3 hrs
MAP 3301  Problem Analysis  CPP
or MAC 2312  Calculus II  3 hrs
PHY 2053C  College Physics I  CPP
PHY 2054C  College Physics II  4 hrs
ETG 3541  Applied Mechanics  3 hrs
EET 3143C  Electronic Devices and Circuits  4 hrs
EET 3205C  Electrical Circuits  4 hrs
EET 3285C  Electricity and Electronics  4 hrs
EET 4484  Applied Project Management  3 hrs
STA 2023  Statistical Methods I  GEP

4. Technical Specialization  (56 hrs)
Lower Level Required and Elective Courses  (24 hrs)
(C (2.0) or better grades are required in all courses)

EET 3534C  Programmable Logic Controllers  3 hrs
CET 3115C  Digital Fundamentals  4 hrs
CET 2364  System Applications in C  3 hrs
EET 3143C  Electronic Devices and Circuits  4 hrs
EET 2053C  Electrical Circuits  4 hrs
EET 3085C  Electricity and Electronics  4 hrs
STA 2023  Statistical Methods I  3 hrs

Upper Level Required Courses  (23 hrs)
(C (2.0) or better grades are required in all courses)

CET 3198C  Digital Systems  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  3 hrs
EET 4732C  Feedback Control Systems  4 hrs

Upper Level Technical Electives  (9 hrs)
Select 9 hours from courses listed below:
(C (2.0) or better grades are required in all courses)

CE 4138C  Digital Programmable Devices  3 hrs
CET 4333  Computer Organization & Design  3 hrs
CET 4931  Current Topics in Tech  3 hrs
EET 4329C  Communication Systems  4 hrs
EET 4339C  Antennas and Propagation  3 hrs
EET 4359C  Digital Communications  4 hrs
EST 3222  Intro to Photonics  3 hrs

5. Departmental Exit Requirement  (3 hrs)
(C (2.0) or better grade is required)

ETG 4950C  Senior Design Project  3 hrs

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)

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 may have them satisfy all UCF GEP requirements.
■ Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution may have them satisfy the UCF GE 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 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.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 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.

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Freshman Year

Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cultural/Historical Foundation 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- STA 2023 Statistical Methods 3 hrs
- MAC 1114 Trigonometry 3 hrs
- Social Foundation 3 hrs

Sophomore Year

Fall 16 hrs
- SPC 1608 Oral Communications 3 hrs
- PHY 2053C College Physics I 4 hrs
- Cultural/Historical Foundation 3 hrs
- ETC 2364 Sys Appl in C 3 hrs
- MAC 2253 Applied Calc I 3 hrs/4 hrs

Summer 7 hrs
- ENC 3241 Writing Tech Pros 3 hrs
- EET 3085C Electricity and Electro 4 hrs

Junior Year

Fall 13/14 hrs
- MAP 3401 Problem Analysis 3 hrs
- or MAC 2312 Calculus II 3 hrs
- or MAC 2254 Applied Calc II 3 hrs
- EET 2025C Electrical Circuits 4 hrs
- CET 3115C Digital Technology 4 hrs
- Lower level elective 2 hrs
- Summer 10 hrs
- CET 4134C Microprocessor Elec II 3 hrs
- EET 3143C Elect Devices and Circuits 3 hrs
- Upper level elective 3 hrs

Senior Year

Fall 16 hrs
- EET 4548C Power Systems 4 hrs
- EET 4158C Linear Int Cir 3 hrs
- or EET 3548C Programmable Logic Cont 3 hrs
- Upper level elective 3 hrs
- CET 2124 Microcom Tech I 3 hrs
- Spring 13 hrs
- ETG 4950C Sr. Design Proj 3 hrs
- MAE 2801* Elementary School Mathematics 4 hrs
- MAC 2311L or MAC 2251 Calc w/ And Geo 3 hrs
- EET 4732C Feedback Control 3 hrs
- ETI 4448 Applied Project Mgmt 3 hrs

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/
Program Coordinators: Dr. Karri Williams and Dr. Robert Everett
E-mail: kjvillia@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 (36 hrs)
   A. Communication Foundation (9 hrs)
      - ENC 1101 English Composition I 3 hrs
      - ENC 1102 English Composition II 3 hrs
      - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundation (9 hrs)
      - Prefer: AMH 1001 U.S. History 1492-1877 3 hrs
      - Prefer: ARH 2050 The History of Art I, or ARH 2051 The History of Art II, or MUL 2010 Enjoyment of Music 3 hrs
      - Prefer: AMH 1002 U.S. History 1877-present 3 hrs
   C. Mathematical Foundation (6 hrs)
      - Select: MAC 1105 College Algebra or MGF 1106 Finite Mathematics or MGF 1107 6 hrs
      - 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: PSU 1202 General Psychology 3 hrs
   E. Science Foundation (6 hrs)
      - 1. Prefer: PSC 1121 Physical Science 3 hrs
      - 2. Prefer: 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 (8 hrs)
   EDF 2130** Child and Adolescent Development for Educators 3 hrs
   MAE 2801* Elementary School Mathematics 4 hrs
   PET 2081** Wellness, Children & Schools 1 hr
   or MAC 1105 or MGF 1106 is a prerequisite for MAE 2801
- **Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Lower Division Electives (7 hrs)
   Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination:
   - MAC 1105 College Algebra or MGF 1106 Finite Mathematics
   - MAE 2801 Elementary School Mathematics
   - PET 2081 Wellness, Children & Schools
   - MAC 1105 or MGF 1106 is a prerequisite for MAE 2801
- Note: The following courses and 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.

5. Education Program Recommended Sequence of Required Upper Division Courses (47 hrs)
- Note: The following sequence of required upper division courses may vary at regional campus locations.

Semester I (15 hrs)
   EDC 4410 Teaching Strategies and Classroom Mgmt (required prior to Internship I) 3 hrs
   EDF 4667 Learning Theory and Assessment 3 hrs
   LAE 3414 Children’s Literature 3 hrs
   RED 3012 Basic Foundations of Reading (required prior to Internship I) 3 hrs
   TSL 4080 Theory and Practice of Teaching ESOL Students in Schools (required prior to Internship I) 3 hrs

Semester II (15 hrs)
   EDC 4410 Teaching Strategies and Classroom Mgmt (required prior to Internship I) 3 hrs
   EDF 4410 Teaching Science in the Elementary School 3 hrs
   SSE 3312 Teaching Social Science in the Elem School 3 hrs
   LAE 4314 Teaching Language Arts in the Elem School 3 hrs
   RED 4519 Diagnostic & Corrective Reading Strategies (required prior to Internship I) 3 hrs
   EEX 4070 Teaching Exceptional Children 3 hrs
   Summer
   EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
   TSL 4240 Issues in Second Language Acquisition 3 hrs
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
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, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu/clinicalexp/.
- 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 of Reading (PR: RED 4519) 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.clinicalexperiences.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

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.oeas.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 2050 The History of Art I 3
- MAC 1105 College Algebra 3

Spring 13 hrs
- EDF 2130 Child & Adoles. Dev Ed* 3
- ENC 1102 English Composition II 3
- PSY 2012 General Psychology 3
- MAC 1121 Physical Science 3
- MAC 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 4
- BSC 1005 Biological Principles 4
- EDF 2005 Intro to the Teaching Prof 3
- SPC 1608 Fund of Oral Comm 3
- MUL 2010 Music of Music 3

Spring 14 hrs
- AMH 2020 U.S. History 1877-present 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

*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
- EDF 4467 Learn Theory & Assessm 3
- EAE 3414 Children's Literature 3
- RED 3012 Basic Found of Reading 3
- TSL 4080 Theory & Pract of Teach ESL 3

Spring 15 hrs
- RED 4519 Diagn & Corr Read Strat 3
- MAE 2801 Elem Sch Math 4
- LAE 3312 Teach Sci Elem Sch 3
- SAE 3312 Teach Soc Sci Elem Sch 3
- EEX 4070 Teach Except Chld & Schools* 3

Senior Year

Fall 12 hrs
- MAE 4326 How Children Learn Math 3
- RED 4942 Practicum for Assessm & Instruc of Reading 3
- EDE 4223 Integrated Arts and Movement in Elem School 3
- EDE 3942 Internship I 3

Spring 12 hrs
- EDE 4943 Internship II 12 hrs

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)
   A. Communication Foundations 9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1003
   B. Cultural and Historical Foundations 9 hrs
      1. Select MAC 1105
      2. Select STA 2023
   C. Mathematical Foundations 6 hrs
      1. Select MAC 2311
      2. Select STA 2323
   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 or MAC 2311 Calculus w/Analytical Geometry I 3/4 hrs
   MAC 2254 Calculus II or equiv 3/4 hrs
   PHY 2053C College Physics I Lab 3/4 hrs
   or PHY 2048L Physics for Engrs & Scientists I 3/4 hrs
3. Engineering Technology Core Requirements (21 hrs)
- ANT 2511, BSC 1005, BSC 1050, GEO 1200, MCB 1310 or GLY 1030
- ENC 3241 Writing for the Technical Professional
- MAC 1105 College Algebra
- MAC 1114 College Trigonometry
- MAC 2253 Applied Calculus I
- MAP 2301 Calculus w/Analytical Geometry I
- or MAP 3401 Problem Analysis
- of MAC 2312 Calculus w/Analytical Geometry II
- PHY 2053C College Physics I
- ETM 3350C Applied CADD
- ETI 3421 Materials & Processes
- ETG 3533C Applied Engineering Strength of Materials
- ETI 3671 Technical Economic Analysis
- ETI 3711 Applied Engineering Quality Assurance
- ETI 4565 Technology Administration

4. Technical Specialization (60 hrs)
- Upper Level Required and Elective Courses (22 hrs)
  - Upper Level Required Courses
    - EST 3543C Programmable Logic Controllers
    - CHM 1032/L General Chemistry/Lab
    - EST 3543C Programmable Logic Controllers
    - ETI 4448 Applied Project Management
    - ETI 3418C Computer Numerical Controls
    - ETM 4755 Applied Air Conditioning
    - CET 3010 Introduction to Information Technology
  - Upper Level Technical Elective
    - Upper Level Required Courses
      - EST 3543C Programmable Logic Controllers
      - ETI 4448 Applied Project Management
      - ETI 3418C Computer Numerical Controls
      - ETM 4755 Applied Air Conditioning
    - Upper Level Technical Elective
      - ETI 4448 Applied Project Management
      - ETI 3418C Computer Numerical Controls
      - ETM 4755 Applied Air Conditioning
      - CET 3010 Introduction to Information Technology
  - Lower Level Required and Elective Courses (26 hrs)
    - Lower Level Required Courses
      - Select one of the following two options to complete your BSET.
        a. Mechanical Technology Track
        - EST 4502C Metrology & Instrumentation
        - ETD 3350C Applied CADD
        - ETM 4331C Applied Fluid Mechanics
        - ETI 4448 Applied Project Management
        - ETI 3418C Computer Numerical Controls
        - ETM 4755 Applied Air Conditioning
        - CET 3010 Introduction to Information Technology
        - 
        b. Construction Technology Track
        - EST 3350C Applied CADD
        - ETG 3533C Applied Engnrng Strength of Materials
        - ETC 4243 Building Systems
        - ETC 4414C Applied Structural Design I
        - ETC 4415C Applied Structural Design II
        - ETC 4242 Construction Contracts & Specs
    - Upper Level Required Courses
      - Select one of the following two options to complete your BSET.
        a. Mechanical Technology Track
        - EST 4502C Metrology & Instrumentation
        - ETD 3350C Applied CADD
        - ETM 4331C Applied Fluid Mechanics
        - ETI 4448 Applied Project Management
        - ETI 3418C Computer Numerical Controls
        - ETM 4755 Applied Air Conditioning
        - CET 3010 Introduction to Information Technology
        - 
        b. Construction Technology Track
        - EST 3350C Applied CADD
        - ETG 3533C Applied Engnrng Strength of Materials
        - ETC 4243 Building Systems
        - ETC 4414C Applied Structural Design I
        - ETC 4415C Applied Structural Design II
        - ETC 4242 Construction Contracts & Specs
    - Upper Level Technical Elective
      - Upper Level Required Courses
        - Select one of the following two options to complete your BSET.
          a. Mechanical Technology Track
          - EST 4502C Metrology & Instrumentation
          - ETD 3350C Applied CADD
          - ETM 4331C Applied Fluid Mechanics
          - ETI 4448 Applied Project Management
          - ETI 3418C Computer Numerical Controls
          - ETM 4755 Applied Air Conditioning
          - CET 3010 Introduction to Information Technology
          - 
          b. Construction Technology Track
          - EST 3350C Applied CADD
          - ETG 3533C Applied Engnrng Strength of Materials
          - ETC 4243 Building Systems
          - ETC 4414C Applied Structural Design I
          - ETC 4415C Applied Structural Design II
          - ETC 4242 Construction Contracts & Specs
      - Upper Level Technical Elective
        - Select one of the following two options to complete your BSET.
          a. Mechanical Technology Track
          - EST 4502C Metrology & Instrumentation
          - ETD 3350C Applied CADD
          - ETM 4331C Applied Fluid Mechanics
          - ETI 4448 Applied Project Management
          - ETI 3418C Computer Numerical Controls
          - ETM 4755 Applied Air Conditioning
          - CET 3010 Introduction to Information Technology
          - 
          b. Construction Technology Track
          - EST 3350C Applied CADD
          - ETG 3533C Applied Engnrng Strength of Materials
          - ETC 4243 Building Systems
          - ETC 4414C Applied Structural Design I
          - ETC 4415C Applied Structural Design II
          - ETC 4242 Construction Contracts & Specs
    - 5. Departmental Graduation Requirement (3 hrs)
      - (C 2.0 or better grades are required in all 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. 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.
UCF Degree Programs

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

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 (36+2 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 163
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      6 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      8 hrs
   2. Common Program Prerequisites (CPP) (6/8 hrs)
      MAC 2253 Calculus I or MAC 2311 Calculus w/Analytical Geometry I or
      MAC 2254 Applied Calculus I or equiv
      PHYS 2053C or PHYS 2048L
   See “Common Prerequisites” in the Transfer and Transitions Services section for
   more information.

3. Engineering Technology Core Requirements (21 hrs)
   ANG 2511, BSC 1050, BSC 1050, GEO 1200,
   GEO 2370, or GLY 1030
   ENC 3241 Writing for the Technical Professional 3 hrs
   MAC 1105 College Algebra 3 hrs
   MAC 1114 College Trigonometry 3 hrs
   MAC 2253 Applied Calculus I 3 hrs
   MAC 2311 Calculus w/Analytical Geometry I 3 hrs
   MAP 3401 Problem Analysis 3 hrs
   PHY 2053C College Physics I 3 hrs
   ETI 3421 Materials & Processes 3 hrs
   ETI 3690 Technical Sales 3 hrs
   ETI 4635 Technology Administration 3 hrs

4. Technical Specialization (60 hrs)
   (C (2.0) or better grades are required in all courses)
   ETI 3418C Computer Numerical Controls 3 hrs
   ETI 3419C Computer Numerical Controls II 3 hrs
   ETI 3630C Manufacturing Systems 3 hrs
   ETI 3671 Technical Economic Analysis 3 hrs
   ETI 3780 Technical Communication 3 hrs
   ETI 4700 Occupational Safety 3 hrs
   ETI 4706 Applied Reliability 3 hrs
   ETI 4707 Advanced Quality Assurance 3 hrs
   ETI 4747 Safety Management 3 hrs

5. Departmental Graduation Requirement (3 hrs)
   (C (2.0) or better grades are required for all prerequisites)

6. Foreign Language Requirements (0-8 hrs)

Graduation: none

7. Approved Technical Electives

8. University Minimum Graduation Requirements

9. 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 UCF 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.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.

10. 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 UCF 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.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.

Total Semester Hours Required: 128 hrs

Related Programs: Engineering Technology (Operations Concentration)
Related Minors: Interdisciplinary Informatics Technology

UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
## UCF Degree Programs

### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td></td>
</tr>
<tr>
<td>Select ENC 1101 and ENC 1102</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fund of Oral Corn</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td></td>
</tr>
<tr>
<td>Select one class from 1.B.1 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer LIT 2110 World Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer LIT 2120 World Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or MGF 1107</td>
<td>3 hrs</td>
</tr>
<tr>
<td>(may substitute a higher level math)</td>
<td></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>
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</table>

### 2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101* Composition I</td>
<td></td>
</tr>
<tr>
<td>ENC 1102* Composition II</td>
<td></td>
</tr>
<tr>
<td>ENC 1102* Composition II</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3013 Creative Writing for English Majors</td>
<td></td>
</tr>
<tr>
<td>ENC 3014 Theory &amp; Tech of Literary Study</td>
<td></td>
</tr>
</tbody>
</table>

### 4. Literary History Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3013 Creative Writing for English Majors</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3120 Fiction Writing Workshop</td>
<td>6 hrs</td>
</tr>
<tr>
<td>CRW 3211 Creative Nonfiction Writing</td>
<td></td>
</tr>
<tr>
<td>CRW 3210 Poetry Writing Workshop</td>
<td></td>
</tr>
<tr>
<td>CRW 3610 Writing Scripts</td>
<td></td>
</tr>
</tbody>
</table>

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### Program Academic Learning Compacts

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

### Equipment Fee

- Full-time Student ................................ $90 per term
- Part-time Student ................................. $45 per term

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### 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>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Biological science</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 1114 Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Cultural Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>SPC 1608 Oral Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 2053C College Physics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 2252 Applied Calc I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>or MAC 2311 Calc w Anly Geo</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Summer</td>
<td>ETI 3671 Tech Econ Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENL 4220 English Renaissance Poetry and Prose</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENL 4230 Eighteenth Century Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENL 4290 English Romantic Writers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENL 4311 Chaucer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENL 4333 Shakespeare</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENL 4341 Milton and His Age</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIT 4374 Literature of the Bible</td>
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#### Junior Year

<table>
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<th>Course</th>
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<tr>
<td>Fall</td>
<td>EET 3095C Electricity and Electro</td>
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<td></td>
<td>Lower level elective</td>
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</tr>
<tr>
<td></td>
<td>Social Foundation</td>
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<tr>
<td></td>
<td>ETG 3541 Applied Mechanics</td>
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</tr>
<tr>
<td></td>
<td>ETD 3390C Appl CAD</td>
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<tr>
<td>Summer</td>
<td>ETI 4700 Occup Safety</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ETI 4440 Applied Proj Mgmt</td>
<td>3 hrs</td>
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</table>

#### Senior Year

<table>
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<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>ETI 4205 App Logistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ETI 4640 Operations Mgmt</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EST 3543C PLC</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Upper level elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Upper level elective</td>
<td>3 hrs</td>
</tr>
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### ENGLISH - CREATIVE WRITING (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
- 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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Application and admission through the English Honors Committee and the Honors College</td>
<td></td>
</tr>
<tr>
<td>Fulfill University requirements for Honors in the Major</td>
<td></td>
</tr>
<tr>
<td>Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).</td>
<td></td>
</tr>
<tr>
<td>Successful completion and oral defense of honors thesis</td>
<td></td>
</tr>
</tbody>
</table>

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### Notes:

- Each semester, additional courses may satisfy this requirement. Check with advisor for details.
c. Choose two of the following: 6 hrs
CRW 4224 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 (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: 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.oetas.ucf.edu/alac/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for full requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I 3 hrs
HUM 2101* req# 1B1-GEP 3 hrs
MGF 1106* req# 1C1-GEP 3 hrs
LIT 2120 World Literature I 3 hrs
LIT 2120 World Literature II 3 hrs
Spring
ENG 3014 Theor Tech of St 3 hrs
AML 3041* req# 4b-LitHis 3 hrs
CRW 3211* req# 5b-ResEl 3 hrs
Elective* Check restrictions 3 hrs
E-mail: jkaplan@mail.ucf.ed
Program Coordinator:
Department of Teaching and Learning Principles, ED 209
ENGLISH LANGUAGE ARTS EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/englished/
Program Coordinator: Dr. Jeff Kaplan, ED 122B, 407-823-2041,
E-mail: jkaplan@mail.ucf.ed

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. 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 3 hrs
2. Select: LIT 2110 World Literature I 3 hrs
C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Select: STA 1060C Basic Statistics using MS Excel or STA 2041 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 2085 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

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 2120 Child & Adolescent Development for Educators 3 hrs
LIT 2110 World Literature I 3 hrs
LIT 2120 World Literature II 3 hrs
ENL 2122 English Literature I 3 hrs
ENL 2122 English Literature II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
**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 (21 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4403 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4090 Theory and Practice of Teaching ESOL 3 hrs
- 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 4090 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4404 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 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 4090 Theory and Practice of Teaching ESOL Students in Schools.

**Students must apply and be approved for Internship I.** Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

### 6. Internship I Block (9 hrs)
- LAE 3940 Internship I 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Teaching Language/Composition 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/clinicalexp/.

**Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065.**

**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](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
  - MGF 1106 Finite Mathematics 3
  - PSY 2012 General Psychology 3

- Spring 12 hrs
  - EDF 2085 Intro to Diversity for Ed 3
  - ENC 1102 English Composition II 3
  - POS 2041 Amer National Govt 3
  - PSC 1121 Physical Science 3

**Summer 6 hrs**
- EME 2040 Intro to Tech for Educators 3
- LAE 4242 Intro to Adol Literature 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
  - SPC 1608 Fun of Oral Comm 3

- Spring 12 hrs
  - EDF 2130 Child & Adol Dev for Ed* 3
  - TSL 4080 Theory & Prac of Teach ESOL 3
  - STA 2014C Principles of Statistic or STA 100C Basic Stat MS Excel 3

**Junior Year**
- Fall 12 hrs
  - EDF 2130 Child & Adol Dev for Ed* 3
  - LAE, EDG, or EDF prefix 3

- Spring 12 hrs
  - STA 100C Basic Stat MS Excel 3
  - ENC 1102 English Composition II 3
  - ENG 3014 Theories of Literature 3

- Summer 6 hrs
  - LAE 3940 Internship I 3
  - LAE 4360 Eng Instructional Anal 3
  - LAE 4342 Teach Lang/Comp 3
  - TSL 4240 Issues in Sec Language Acquisition 3

**Senior Year**
- Fall 12 hrs
  - LAE 4342 Teach Lang/Comp 3
  - EEX 4242 Teach Ex Stud in Sec Settings 3

- Spring 12 hrs
  - RED 4043 Cont Reading KGd 12 3
  - STA 2014C Principles of Statistic or STA 100C Basic Stat MS Excel 3

- Summer 6 hrs
  - LAE 4941 Internship II 3
  - LAE 4342 Teach Lang/Comp 3

#### Recommended Four Year Sequence of Courses

**Note:** Community college transfer students may substitute a 2XX elective.

- Fall 12 hrs
  - LAE 4941 Internship I 3
  - LIN 4105 History of English Language 3

- Spring 12 hrs
  - LAE 4342 Teach Lang/Comp 3
  - TSL 4240 Issues in Second Language Acquisition 3

### College of Arts and Humanities

**English Department, CNH 405**

http://english.cah.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
Fullfill 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
      6 hrs
   B. Cultural and Historical Foundations
      Select one class from 1.B.1 list
      Prefer LIT 2110 World Literature I
      Prefer LIT 2120 World Literature II
      3 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics or MGF 1107
      Select STA 1060C Statistics Using Excel
      3 hrs
   D. Social Foundations
      Select Principles of Social Science
      6 hrs
   E. Science Foundations
      Electives
      6 hrs

2. Common Program Prerequisites
   ENC 1101*Composition I
   ENC 1102*Composition II
   *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
      ENG 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
      3 hrs

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 4274 Literature of the Bible
      9 hrs
   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 Imagining the 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 3062 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
      9 hrs
   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
      LIT 4244 World Authors
      3 hrs
   b. Choose one linguistics or theory course:
      ENG 3010 Practical Criticism
      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 4554 Advanced Feminist Theory
      3 hrs
   c. Choose three upper level courses:
      AML, ENL, or LIT prefix
      9 hrs

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, taken 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.
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

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree: Additional Requirements (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of honors thesis.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      - Select ENC 101, ENC 102
      - Prefer ESC 1608 Fund of Oral Com
   B. Cultural and Historical Foundations
      - Mathematc Foundations
      - Prefer MGF 1106 Finite Mathematics or MGF 1107
      - (may substitute a higher level math)
      - Prefer STA 1060C Statistics Using Excel
   C. Social Foundations
      - Social Foundations
      - Social Foundations
   D. Science Foundations
      - Science Foundations
      - Science Foundations

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 courses - Basic (6 hrs)
   Choose one of the following:
   ENC 3211 Theory & Practice of Tech Writing
   or
   ENC 3241 Writing for the Technical Professional
   ENC 3014 Theory & Tech of Literary Study
   or
   CRW 3013 Creative Writing for English Majors

4. Literary History Requirement (9 hrs)
   Choose three courses from these two groupings
   a. Select at least one of these pre-1865 literature courses.
      - AML 3041 American Literature I
      - AML 3283 Contemp American Women's Fiction
      - AML 3610 Topics in African American Literature
      - 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 4321 Modern American Literature
      - AML 4330 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
   b. Select at least one of these post 1865 literature courses
      - AML 3041 American Literature II
      - AML 3283 Contemp American Women's Fiction
      - AML 3610 Topics in African American Literature
      - 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 4321 Modern American Literature
      - AML 4330 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. Core Requirements - Advanced (15 hrs)
   ENC 4280 Technical Writing Style
   ENC 4293 Documentation and the Collaborative Process
   ENC 4294 Documentation and Client-Based Collaboration
   LIT 4433 Literature of Science and Technology
   And choose one of the following:
   ENC 4215 Technical Publication and Project Management
   ENC 4218 The Visual in Technical Communication

6. Restricted Upper Division Electives (3 hrs)
   Choose one of the following:
   ENC 4311 Advanced Expository Writing
   ENC 4262 International Technical Communication
   ENC 4265 Writing for the Computer Industry
   ENC 4270 Usability Testing for Technical Communication
   ENC 4414 Writing and Hypertext
   Optional course
   ENC 4941 Tech Writing & Editing Internship

7. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in upper division required courses
   - Computer Competency met by completion of ENC 4293

8. 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.
UCF Degree Programs

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.
- 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

ENVIRONMENTAL ENGINEERING (B.S.Env.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; Environmental Program Director: Andrew A. Randall, Ph.D., P.E., E-mail: randall@mail.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. MAC 2311 & MAC 2312

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, PH 2010, LIT 2110, or LIT 2100

C. Mathematical Foundations
   1. Select MAC 2311 (PR: MAC 114)
   2. Select STA 3032 (PR: MAC 2312)

D. Social Foundations
   1. Select ECO 2013 or ECO 2023
   2. ANT 2000, PSY 2012, or SYG 2000

E. Science Foundations
   1. Select PHY 2048/48L (PR: MAC 2311)
   2. Select PHYS 2048/48L (PR: MAC 2311)
   3. Select PHYS 2048/48L (PR: MAC 2311)
   4. Select PHYS 2048/48L (PR: MAC 2311)

Note: Environmental Engineering Majors must satisfy both an Earth Science requirement AND a Biological Science requirement.

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-requisites, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

   CHM 2045C/45L Chemistry Fundamentals I 4 hrs
   or CHS 1440 Fund of Chemistry for Engineers
   or CHM 2040C and CHM 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 3 hrs
ENC 1102 Composition II 3 hrs

Humanities Courses 3 hrs
Social Sciences 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 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. below. 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 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   CHM 2045C Chemistry Fundamentals I w/Lab 3 hrs
   CHM 2046/46L Chemistry Fundamentals II w/Lab 4 hrs
   EGN 3310* Engineering Analysis - Statics 3 hrs
   EGN 3312 Engineering Analysis - Dynamics 3 hrs
   EGN 3331 Mechanics of Materials 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3613 Engineering Economic Analysis 2 hrs
   EGN 3373 Principles of Electrical Engineering 3 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
   CWR 3201 Engineering Fluid Mechanics 3 hrs
   CWR 4101C Hydrology 3 hrs
   CWR 4203C Hydraulics 3 hrs
   EES 4111C Biological Process Control 3 hrs
   EES 4202C Chemical Process Control 3 hrs
   ENV 4120 Air Pollution Control 3 hrs
   ENV 4131 Solid & Hazardous Waste Management 4 hrs
   ENV 4561 Environmental Engineering-Process Design 3 hrs

Note: Environmental engineering majors must complete both Earth Science and Biological Science course work. See assigned academic advisor for list of approved courses.

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 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 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.
## UCF Degree Programs

### 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

### UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundation</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Degree Requirements (3 hrs)

| HFT 1000 Introduction to Hospitality Management | 3 hrs |

### 3. Foundations Quantitative Tools

<table>
<thead>
<tr>
<th>CGS 2100C</th>
<th>Computer Fundamentals of Business (GEP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>or STA 2023</td>
<td>Statistical Methods I</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Macroeconomics</td>
</tr>
<tr>
<td>or ECO 2023</td>
<td>Microeconomics</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra (GEP)</td>
</tr>
</tbody>
</table>

### 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 | Distinguished 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 |
6. Event Management Core  
(27 hrs)

- HFT 2750 The Event Industry  3 hrs
- HFT 2755 Hospitality & Event Risk Management  3 hrs
- HFT 3443 Event Technology  3 hrs
- HFT 3792 Event Design & Production  3 hrs
- FSS 2221C Quantity Food Production  3 hrs
- HFT 4802 Catering Management  3 hrs
- HFT 4757 Event Management I  3 hrs
- HFT 4791 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 3799 International Events  3 hrs
- HFT 4735 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 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)

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 residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

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 .......................... $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: 15 hrs  
  ENC 1101  3 hrs  
  Cult/Hist Found Seq. I  3 hrs  
  CGS 2100C  3 hrs  
  HFT 1000  3 hrs  
  PSY 2012, SYG 2000 or AN 2000  3 hrs

- Spring: 15 hrs  
  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: 15 hrs  
  Science Found I  3 hrs  
  ECO 2033 or ECO 2023  3 hrs  
  HFT 2755  3 hrs  
  HFT 3443 Event Tech  3 hrs  
  HFT 3670 Host/Event Risk  3 hrs

- Spring: 15 hrs  
  Science Found II  3 hrs  
  HFT 2220  3 hrs  
  HFT 2401  3 hrs  
  Cult/Hist Foundation  3 hrs  
  HFT 3512 Event Promo  3 hrs

Junior Year

- Fall: 16 hrs  
  HFT 3792 Event Design  3 hrs  
  FSS 2221C  3 hrs  
  HFT 3431  3 hrs  
  HFT 2254  3 hrs  
  HFT 3940  1 hrs  
  Hosp Event Elective  3 hrs  
  HFT 3540  3 hrs  
  Hosp Event Elective  3 hrs

- Spring: 16 hrs  
  HFT 4944  1 hrs  
  HFT 3933  3 hrs  
  Hosp Event Elective  3 hrs  
  Hosp Event Elective  3 hrs  
  Free electives  6 hrs  
  Hosp Event elective  3 hrs  
  Free electives  5 hrs

Senior Year

- Fall: 13 hrs  
  HFT 4757  3 hrs  
  HFT 4791 Evnt Mgmnt II  3 hrs  
  Hosp Event Elective  3 hrs  
  Hosp Event Elective  3 hrs

- Spring: 15 hrs  
  HFT 4796 Internship I  3 hrs  
  HFT 4795 Internship II  3 hrs  
  Hosp Event Elective  3 hrs  
  Hosp 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

Degree Requirements

- Students should seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in the UCF General Education Program and Florida Common Program Prerequisites are subject to approval. All courses must be completed through a state approved service program.
- This program is 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 applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.

Admission Requirements

- Meet the foreign language admission requirement.
- Meet the Gordon Rule Requirement.
- Meet the Gordon Rule Requirement.

- Students must earn a “C-” (1.75) or better in each required Exceptional Education course.

1. UCF General Education Program  
(36 hrs)

- Communication Foundation
  1. ENC 1101 English Composition I  3 hrs
  2. ENC 1102 English Composition II  3 hrs

- A. Communication Foundation
  1. Communication  3 hrs
  2. English Composition I  3 hrs
  3. English Composition II  3 hrs

- B. Communication Elective
  1. Do not substitute
  2. Must be completed with a minimum letter grade of "C-" (1.75) or better.
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
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
F. Other Program Requirements (9 hrs)
EDF 2100 Child and Adolescent Development for Educators 3 hrs
EDF 2720 Children in Schools: Legal, Ethical, And Safety Concerns 3 hrs
EDF 2010 Introduction to Special Education 3 hrs
EDF 2750B Enhancing Family Involvement in Education 2 hrs
MAE 2801 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.

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
EDF 2010 Introduction to Special Education 3 hrs
EDF 2750B Enhancing Family Involvement in Education 2 hrs
MAE 2801 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)
EDG 4410* Teaching Strategies and Classroom Management 3 hrs
EDF 3241* Methods of Academic Skills for Exceptional Students 3 hrs
RED 3012* Basic Foundations of Reading 3 hrs
TSL 4008* 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
EDF 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 (PES) portion of the FTCE during Semester II

Semester III (Summer) (6 hrs)
EDF 3221 Assessment of Exceptional Students 3 hrs
EDF 4066 Curriculum, Theory & Instructional Strategies for Students with Special Needs 3 hrs

Please note: It is required to take the Professional Education Test (PES) 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/cleclinical/.

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.

Semester IV (15 hrs)
EDX 3942 Internship I 3 hrs
EDX 4601* Introduction to Behavior Management 3 hrs
EDX 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
SCE 3312 Teaching Social Science in the Elementary School 3 hrs
LAE 3414 Literature for Children 3 hrs
MAE 4326 How Children Learn Mathematics

*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/cleclinical/.

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)
EDX 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
SCE 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.oetas.ucf.edu/aic/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 Profession 3
ENC 1101 English Composition I 3
MGF 1106 Finite Mathematics 3
PSY 2012 General Psychology 3

Spring 15 hrs
EDF 2085 Intro to Diversity for ED 3
ENG 1101 English Composition II 3
EDF 2130 Child and Adolescence 3
PSY 1101 Psychological Science 3

Summer 6 hrs
POS 2041 American National Gov 3
EME 2040 Intro to Tech for Educators 3

Sophomore Year

Fall 12 hrs
SPC 1608 Fund of Oral Comm 3
AMH 2010 U.S. History 1492-1877 3
AMH 2020 U.S. History 1877-present 3

Spring 12 hrs
AMH 2020 U.S. History 1877-present 3
EEX 3241 Methods of Academic Skills 3
FIL 2030* History of the Motion Pictures 3

Summer 6 hrs
LIT 2110 World Lit I 3
LIT 2120 World Lit II 3

Junior Year

Fall 15 hrs
EDG 4410 Teach Strat & Class Mgmt 3
TSL 4080 Theory & Prac of Teach 3
ESOL Students in Schools 3

Spring 15 hrs
EDG 3243 Techniques for Except 3
EEX 3221 Assess of Exceptional Stud 3
RED 3012 Basic Found of Read 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 4763 Tech for Classroom Teach 3
TSL 4090 Theory & Prac of Teach 3
ESOL Students in Schools 3

Spring 12 hrs
EEX 4042 Pract for Assess 3
Select Methods Content II* 3

Note: It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.

*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.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
   - FIL 2030 History of the Motion Pictures 3 hrs
   - FIL 2107 Foundations of Story 3 hrs
   *See Transfer Notes for possible substitutions

   B. Cultural and Historical Foundations
   - Select one class from 1.B.1 list 3 hrs
   - Prefer FIL 2030 3 hrs
   - Prefer one class from either 1.B.1 or 1.B.2 3 hrs

   C. Mathematical Foundations
   - Select MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
   - Prefer CJS 1060C or STA 1060C 3 hrs

   D. Social Foundations
   - 6 hrs

   E. Science Foundations
   - 6 hrs

   2. Common Program Prerequisites (3 hrs)
   - FIL 2030 History of the Motion Pictures 3 hrs
   - FIL 2107 Foundations of Story 3 hrs

   3. Lower Level Core Requirements (21 hrs)
   - FIL 1009 Cinematic Expression for Majors 3 hrs
   - FIL 2552 Editing I 3 hrs
   - FIL 2481 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 3036 Film History I 3 hrs
   - FIL 3037 Film History II 3 hrs
   - FIL 3803C Film Theory and Criticism 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.

   A. Production/Direction
   - DIG 4704C Interactive Entertainment 3 hrs
   - FIL 3363C Film Documentary 3 hrs
   - FIL 4472C Cinematography II 3 hrs
   - FIL 4535C Sound Design for Film II 3 hrs
   - FIL 4536 Sound Design for Film III 3 hrs
   - FIL 4451 Design for Film 3 hrs
   - FIL 4487 Directing II 3 hrs
   - FIL 4566C Editing II 3 hrs

   B. Screen Writing
   - FIL 4103 Adaptation 3 hrs
   - FIL 4162C FeatureTV Writing 3 hrs
   - FIL 4163C FeatureTV Writing II 3 hrs
   - FIL 4113C Interactive Writing I 3 hrs

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.
- 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 earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- 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.

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### Cinema Studies
- FIL 4436 Film Theory
- FIL 4126C Genre Writing
- FIL 4906 Independent Study

### Digital Cinema
- ART 2820 Art as Interface
- ART 3618C Post-Production Design
- COP 3900C Computer Science I
- DIG 4855C Converging Media
- DIG 3183C Digital Imagery
- DIG 4700C Modeling for Realtime Graphics
- ENC 4415 Digital Rhetoric & Modern Dialectic
- DIG 3134 Internet Software Design
- MUC 3311 MIDI Sequencing I

### Capstone Courses
- (6 hrs)
  - FIL 4434C Capstone I 3 hrs
  - FIL 4435C Capstone II 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

### 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.
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 5012 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.
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.

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

FILM - WORLD CINEMA 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. 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 a fee 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 designed 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
      Prefer MGF 1106 or MGF 1107 3 hrs
      (may substitute a higher level math)
      Prefer CGS 1060C or STA 1060C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)
   FIL 2030* History of Motion Pictures GEP
   FIL 1007* Foundations of Story 3 hrs
   *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 3563C Film Documentary 3 hrs
   FIL 3304C Documentary Vision 3 hrs
   FIL 3307 Docusrama 3 hrs
   FIL 3308 Film History I 3 hrs
   FIL 3309C Film Theory and Criticism I 3 hrs
   FIL 3345 World Cinema Traditions 3 hrs
   FIL 4301C Documentary Workshop I 3 hrs
   FIL 4302C Documentary Workshop II 3 hrs
   FIL 3001 Film Business 3 hrs
   FIL 4647 Film Production Management 3 hrs

4. Upper Level Restricted Electives (9 hrs)
Select three of the following
   FIL 3840C 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.
<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. UCF General Education Program</td>
<td>36 hrs</td>
<td></td>
</tr>
<tr>
<td>A. Communications Foundations</td>
<td>9 hrs</td>
<td>FIN 4434C Capstone I</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
<td>FIN 4573C Capstone II</td>
</tr>
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<td>6. Departmental Exit Requirements</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>A. Communications Foundations</td>
<td>9 hrs</td>
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</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
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<td>7. Foreign Language Requirements</td>
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<td>8. Electives</td>
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<td>9. University Minimum Exit Requirements</td>
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<td>10. Transfer Notes</td>
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<td>Acceptable Substitutes for Common Program Prerequisites</td>
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<td>FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.</td>
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<td>Program Academic Learning Compacts</td>
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<td>11. Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
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<td>12. Equipment Fee</td>
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<tr>
<td>Full-time Student</td>
<td>$90 per term</td>
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<tr>
<td>Part-time Student</td>
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<tr>
<td>FINANCE (B.S.B.A.)</td>
<td></td>
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</tr>
<tr>
<td>College of Business Administration</td>
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<td></td>
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<tr>
<td>BA2 101, 407-823-2184</td>
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<tr>
<td><a href="http://www.bus.ucf.edu/finance">http://www.bus.ucf.edu/finance</a></td>
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<td>Not eligible for a double degree with another College of Business Administration major</td>
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<tr>
<td>Admissions Requirements</td>
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<tr>
<td>Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college</td>
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<td>See Common Program Prerequisites</td>
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<td>Degree Requirements</td>
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<tr>
<td>1. UCF General Education Program</td>
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<td>A. Communications Foundations</td>
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<td>B. Cultural and Historical Foundations</td>
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<td>C. Mathematical Foundations</td>
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<td>Select MAC 1140 Pre-Calculus</td>
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<td>Select CGS 2100C Computer Fund for Business</td>
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<td>D. Social Foundations</td>
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<tr>
<td>Select ECO 2013 or ECO 2023</td>
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<td>Select one:</td>
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<td>PSY 2012, SYG 2000, ANT 2000</td>
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<td>E. Science Foundations</td>
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<td>First or subsequent semester in the College of Business Administration:</td>
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<td>GEB 3031 Cornerstone (Required in 1st or 2nd semester)</td>
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<tr>
<td>GEB 3375 Introduction to International Business</td>
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<tr>
<td>BUL 3130 Legal &amp; Ethical Environments of Business</td>
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<td>ECO 3411 Quantitative Business Tools II</td>
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<td>FIN 3403C Business Finance</td>
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<td>MAN 3025 Management of Organizations</td>
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<td>ISM 411C Essentials of Management Information Systems</td>
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<td>MAR 3023 Marketing</td>
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<td>Final Semester:</td>
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<td>MAN 4720 Strategic Management</td>
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<td>4. Special College and/or Department Requirements</td>
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<td>Students who change degree programs and select this major must adopt the most current catalog</td>
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<tr>
<td>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</td>
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<tr>
<td>Students wanting to major in finance must apply for admission to the major</td>
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<td>Final exams will be given during exam week.</td>
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<tr>
<td>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.</td>
<td></td>
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<tr>
<td>A maximum of 6 hours of required or elective coursework (from sections 5 and 6 below) can count toward another major or minor degree program.</td>
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<td>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.</td>
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<tr>
<td>Students must earn at least a 2.0 GPA in the major and CBA.</td>
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<td>FIN 3303 Financial Markets</td>
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<tr>
<td>FIN 3414 Intermediate Corporate Finance</td>
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<tr>
<td>FIN 3504 Investment Analysis</td>
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<tr>
<td>FIN 4453 Financial Models</td>
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<td>Select two of the following:</td>
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<tr>
<td>FIN 4313 Management of Financial Institutions</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4324 Commercial Bank Management</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>FIN 4424 Adv Topics in Financial Management</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4514 Portfolio Analysis and Management</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4533 Financial Derivatives</td>
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<tr>
<td>FIN 4604 International Financial Management</td>
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<td>6. Restricted Electives</td>
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<td>Select two of the following:</td>
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<tr>
<td>ACG 3131 Financial Accounting Concepts</td>
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<tr>
<td>ACG 3141 Intermediate Financial Accounting</td>
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<tr>
<td>ACG 3361 Intermediate Managerial Accounting</td>
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<tr>
<td>ECO 4412 Economic Statistics and Econometrics</td>
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<tr>
<td>FIN 3461 Financial Statement Analysis</td>
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<tr>
<td>FIN 4313 Management of Financial Institutions</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4324 Commercial Bank Management I</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4533 Financial Derivatives</td>
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<tr>
<td>FIN 4604 International Financial Management</td>
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</table>
UCF Degree Programs

FIN 4906 Independent Study 3 hrs
FIN 4941 Internship 3 hrs
FIN 4903H** Honors Directed Readings in Finance 3 hrs
FIN 4904H** Honors Thesis in Finance 3 hrs
MAR 3391 Professional Selling 3 hrs
REE 3403 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
REE 4103 Real Estate Appraisal 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
RM 4011 Principles of Risk and Insurance 3 hrs
TAX 4001 Federal Income Tax I 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 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

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 2011 at UCF.

- 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.oears.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
SBC 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
AGC 2021 3 AGC 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 4 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
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 3 hrs
2. ENC 1102 3 hrs

B. Cultural-Historical Foundation (9 hrs)
1. Philosophy 3 hrs
2. Philosophy 3 hrs
3. Philosophy 3 hrs

C. Mathematical Foundation (6 hrs)
1. Math 3 hrs
2. Math 3 hrs

D. Social Foundation (6 hrs)
1. Political Science 3 hrs
2. Political Science 3 hrs

2. Foreign Language Requirements (0-8 hrs)

3. Prefer: MGF 1106 Finite Mathematics 3 hrs
6. Prefer: ENC 1102 English Composition II 3 hrs
7. Prefer: PSY 2012 General Psychology 3 hrs

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E. Science Foundation
- 1. Prefer: PSC 1121 Physical Science (3 hrs)
- 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
- EDF 2100 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 2100 Child & Adolescent Development for Educators (3 hrs)
- FLE 2201 Intermediate French Language and Civilization II (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)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- EDF 4647 Learning Theory and Assessment (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)
- RED 4043 Content Reading Kindergarten through Grade 12 (3 hrs)
- EEX 4224 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 Education to meet this requirement.

5. Internship I (3 hrs)
- FLE 3940 Internship I (3 hrs)

Program Internship I Prerequisites: EDG 4410, EDF 4647, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at uc.edu/education.ucf.edu/clinicalxp/

6. Specialization Requirements (33 hrs)
- FLE 4333 Foreign Language Teaching in the Sec School (3 hrs)
- FLE 4314 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 3433 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.

UCF Degree Programs

7. Other Cognate Requirements (Linguistics) (3 hrs)
- FRE 3780 French Phonetics and Dictation (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://uc.edu/education.ucf.edu/clinicalxp/

8. Internship II (12 hrs)
- FLE 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

- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in all 12 Florida Educator Accomplished Practices.

- Completes 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.oes.ucf.edu/alc/academic_learning_compacts.htm

13. Recommended Four Year Sequence of Courses

Freshman Year
- Fall 12 hrs
  - EDF 2060 Intro to the Teaching Profession 3
  - ENC 1101 English Composition I 3
  - MGF 1106 Finite Mathematics 3
  - PSY 2012 General Psychology 3
  - EME 2040 Intro to Tech for Educators 3
- Spring 12 hrs
  - EDF 4941 Internship 1 12

Sophomore Year
- Fall 15 hrs
  - AMH 1003 U.S. History 1492-1877 3
  - EDF 2130 Child and Adolesc Dev Ed 3
  - EDF 2085 Introduction to Diversity for Educators 3
  - FRW 1005 Fund of Oral Comm 3
  - STA 1060 Elementary Statistics 3

- Spring 12 hrs
  - ENC 1011 English Composition II 3
  - MGF 1106 Finite Mathematics 3
  - PSY 2012 General Psychology 3
  - SCI 1112 Physical Science 3

Junior Year
- Fall 12 hrs
  - EDF 4941 Internship 2 12

- Spring 12 hrs
  - EDF 4941 Internship II 12

Senior Year
- Fall 12 hrs
  - TSL 4080 Theory & Prac of Teach 3

- Spring 12 hrs
  - FLE 4941 Internship 3 12

14. 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

ESOL Students in Schools
Admission Requirements
E-mail: kverkler@mail.ucf.edu

1. Prefer: MGF 1106 Finite Mathematics

C. Mathematical Foundation (6 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs

B. Cultural-Historical Foundation (9 hrs)
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

A. Communication Foundation (9 hrs)

UCF General Education Program (36 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 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 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1006C 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 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1006 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 4005 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 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.

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 (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 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. 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 1006C 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 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1006 Biological Principles 3 hrs

3. Other Program Requirements (6 hrs)
EDF 2130** Child & Adolescent Development for Educators 3 hrs
SPN 2201* Intern Spanish Language and Civilization 3 hrs

*SPN 3234 Advanced Directed Readings may be taken in place of SPN 2201 with the consent of an instructor.
**Preparation of SPN 2200 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 Management 3 hrs
EDF 4647*** Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs
RED 4043 Content Reading in 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.

5. Internship I (3 hrs)
FLE 3940 Internship I 3 hrs

Program Internship I Prerequisites: EDF 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed prior to 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/clealexp/.

6. Specialization Requirements (27 hrs)
FLE 4333*** For Lang Tch in the Secondary School 3 hrs
FLE 4314*** For Lang Tch in the Elementary 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 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3346 Advanced Spanish Native Fluency II 3 hrs

**Required prior to Internship I.

##The following courses may be taken in place of SPW 3100 and SPW 3101:
SPN 3345 Advanced Spanish Native Fluency I 3 hrs
SPN 3346 Advanced Spanish Native Fluency II 3 hrs

7. Upper Division Restricted Electives* (6 hrs)
Select two upper division Spanish courses (SPN 343/XXX) 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 Bilingual 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 for registration into 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.

UCF Degree Programs

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UNIVERSITY OF CENTRAL FLORIDA
2009-2010 Undergraduate Catalog
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/.

9. Internship II Block

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship II</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

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

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.oes.ucf.edu/alc/academic_learning_compacts.htm

14. Recommended Four Year Sequence of Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year</td>
<td>12 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3</td>
<td>EDF 2085 Intro to Diversity for Ed</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>POS 2041 American National Gov</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
<td>FSC 1121 Physical Science</td>
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Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
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Sophomore Year

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<tr>
<th>Semester</th>
<th>Fall</th>
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<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3</td>
<td>AMH 2020 US History 1877-present</td>
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<tr>
<td>EDF 2130 Child and Adoles Dev Ed*</td>
<td>3</td>
<td>EDF 3224 Adv Direct Read</td>
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<tr>
<td>SPC 1010 Fund of Oral Comm</td>
<td>3</td>
<td>SPC 1025 Biological Principles or</td>
</tr>
<tr>
<td>STA 1060C Basic Stat MS Excel</td>
<td>3</td>
<td>STA 1010 The Human Species</td>
</tr>
<tr>
<td>STA 1060C Basic Stat MS Excel</td>
<td>3</td>
<td>PHI 2010 Intro to Philosophy</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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>TSL 4080 Theory &amp; Prac of Teach ESOL</td>
<td>3</td>
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</table>

Junior Year

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<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410 Teach Strat &amp; Class Mgmt</td>
<td>15 hrs</td>
<td>EDF 4667 Learn Theory &amp; Assmt</td>
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<tr>
<td>SPN 3300 Adv Span Gram &amp; Comp</td>
<td>3</td>
<td>SPN 3345 Adv Span Native Fluenc II</td>
</tr>
<tr>
<td>SPN 3344 Adv Span Native Fluency I</td>
<td>3</td>
<td>RED 4043 Content Reading K-12</td>
</tr>
<tr>
<td>SPN 3420 Spanish Comp</td>
<td>3</td>
<td>SPW 3100 Survey of Span Lit I or</td>
</tr>
<tr>
<td>SPN 3760 Adv Span Oral Comm</td>
<td>3</td>
<td>SPW 3100 Survey of Span Lit II or</td>
</tr>
<tr>
<td>Summer</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>PLE 4314 For Lang Tch in Elem Sch</td>
<td>3</td>
<td>SPN 3130 Survey of Latin Am Lit</td>
</tr>
<tr>
<td>PLE 4333 For Lang Tch in Sec Sch</td>
<td>3</td>
<td>Upper division restricted elective</td>
</tr>
<tr>
<td>EDF 460** Anal &amp; Appl of Eth, Legal,</td>
<td>3</td>
<td>(SPN 40XX)</td>
</tr>
</tbody>
</table>

**This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>FLE 3940 Intern</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one

- SPN 4410 Adv Span Conversation or |
- SPN 4421 Adv Spanish Comp or |
- SPN 4510 Spanish Civil & Cult or |
- SPN 4520 Latin Am Civil & Cult |

Select one

- SPN 3852 Bilinguismo or |
- SPN 4800 Spanish American Syntax or |
- SPN 4801 Spanish Morphosyntax |

Select one

- SPW 3130 Survey of Latin Am Lit I or |
- SPW 3131 Survey of Latin Am Lit II |

FORENSIC SCIENCE - ANALYSIS TRACK (B.S.)

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

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core 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.

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 |
2. Prefer SPC 1603 |

B. Cultural and Historical Foundations

1. Select MAC 2311 |
2. Select STA 2023 |
3. Social Foundations |
4. Science Foundations |
5. Select PHY 2048 & L (PR: MAC 2311) |
6. Select BSC 2010C |

2. Common Program Prerequisites

(16 hrs)

BSC 2010C Biology I |
CHM 2045C* Chem Fund I |
CHM 2046L Chem Fund II with Lab |
MAC 2311 Calculus w/ Anal Geometry I |
MAC 2312 Calculus w/ Anal Geometry II |
PHY 2048L* Physics Engr. & Sci. I & Lab |
PHY 2049L* 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 Science and Math Requirements

(18 hrs)

BSC 2010C Biology I |
CHM 2210 Organic Chem. I |
CHM 22111L Organic Chem II & Lab |
CHM 3120L Analytical Chemistry & Lab |
STA 2023 Statistical Methods I |
PCE 2363 Genetics |
PCE 3233 Immunology |

Total Hours: 173
### UCF Degree Programs

**MAC 2311** Calculus w/ Analy Geometry I  
**MAC 2312** Calculus w/ Analy Geometry II  
**PHY 2048L** Physics Engr. & Sci. I & Lab  
**PHY 2049L** Physics Engr. & Sci. II & Lab

#### 4. Forensic Science Core (18 hrs)

- **CHS 3501L** Intro to Forensic Science  
- **CHS 3505C** Forensic Microscopy  
- **CHS 4537** Forensic Lab Quality Assurance  
- **CHS 3595** Forensic Sci in the Courtroom  
- **CHS 3533** Forensic Biochemistry I  
- **CHS 4591** Forensic Science Internship  
- **BCH 4053** Biochemistry I  
- **ANT 4521C** Forensic Anthropology  
- **CHS 3511C** Trace Evidence  
- **CHS 3500C** Foren Anal of Controlled Subs  
- **CHM 2210** Organic Chemistry I  
- **CHM 3422** Advanced Topics in Forensic Science  
- **STA 2023** Statistical Methods I  
- **PSY 2012** req# 1D2-GEP  
- **CHS 3533** Forensic Biochemistry I  
- **CHS 4537** Forensic Lab Quality Assurance  
- **CHS 3511C** Trace Evidence  
- **CHS 3500C** Forensic Analysis  
- **CHS 3595** Forensic Science in the Courtroom  
- **CHS 4591** Forensic Science Internship  
- **BCH 4053** Biochemistry I  
- **ANT 4521C** Forensic Anthropology  
- **CHS 3511C** Trace Evidence  
- **CHS 3500C** Forensic Analysis  
- **CHS 3595** Forensic Science in the Courtroom  
- **CHS 4591** Forensic Science Internship  
- **BCH 4053** Biochemistry I  
- **ANT 4521C** Forensic Anthropology  
- **CHS 3511C** Trace Evidence  
- **CHS 3500C** Forensic Analysis  
- **CHS 3595** Forensic Science in the Courtroom  
- **CHS 4591** Forensic Science Internship

#### 5. Forensic Analysis Track (28 hrs)

a. Required Courses (16 hrs)

- **CHM 3212L** Organic Lab Techniques II  
- **CHM 4912** Undergraduate Research  
- **CHM 4506C** Forensic Investigating Techniques  
- **CHS 4515C** Forensic Biochemistry I  
- **CHS 4591C** Forensic Science Internship  
- **PCB 3233L** Immunology Lab  
- **PCB 3063L** Genetics Lab  
- **PCB 3233L** Immunology Lab

b. Select 12 hours from the following: (12 hrs)

- **ANT 4521C** Forensic Anthropology  
- **BCH 4053** Biochemistry I  
- **CHS 3511C** Trace Evidence  
- **CHS 3530C** Forensic Analy of Controlled Subs  
- **ANT 4521C** Forensic Anthropology  
- **BCH 4053** Biochemistry I  
- **CHS 3511C** Trace Evidence  
- **CHS 3530C** Forensic Analy of Controlled Subs

Substitutions require prior approval by the department.

### 6. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories and 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories and 2, 3, 4, and 5 of the departmental degree requirements.
- Computer Competency met by CHS 3505C and CHS 4537.
- American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
- 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
- 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 Biochemistry Track

**Related Minors**: Chemistry

**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
- **MAC 2311** & **2312**: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- **PHY 2048** & **Lab** and **2049 & Lab**: Although CPP requirements permit substitution by Organic Chemistry (CHM 2210 & 2211), PHY 2048 & L, PHY 2049 & L, CHM 245, and CHM 2046 are required for graduation, so all 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](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:

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHM 2210L</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>CHM 2210L/2211L</td>
<td>Organic Chemistry I/II</td>
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</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>MAC 2311 Calc Anal Geo I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fund I</td>
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<td>4</td>
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</table>

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHM 2210 Organic Chem I</td>
<td></td>
<td>3</td>
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### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>MAC 2311 Calc Anal Geo I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fund I</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)

**College of Sciences**

Department of Chemistry, CH 223, 407-823-0163


E-mail: chemistry@ucf.edu

Contact: J. Ballantyne

**Admission 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
      2. Prefer SPC 1603
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311
      2. Select STA 2023
   D. Social Foundations
      6 hrs
   E. Science Foundations
      1. Select PHY 2048L & Lab (PR: MAC 2311)
      2. Select BSC 2010C

2. Common Program Prerequisites (16 hrs)
   BSC 2010C Biology I
   CHM 2045C* Chem Fund I
   CHM 2046L Chem Fund II with Lab
   MAC 2311 Calculus w/ Anal Geometry I
   MAC 2312 Calculus w/ Anal Geometry II
   PHY 2046L* Physics Engr. & Sci. I & Lab
   PHY 2049L* 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 Science and Mathematics Requirements (20 hrs)
   BSC 2010C Biology I
   CHM 2210 Organic Chem. I
   CHM 2211L Organic Chem. II & Lab
   CHM 3120L Analytical Chemistry & Lab
   STA 2023 Statistical Methods I
   MAC 3063 Calculus
   MAC 3233L Immunology & lab
   MAC 3211 Calculus & Anal Geo I
   MAC 3212 Calculus & Anal Geo II
   PHY 2048L Physics Science & Eng I
   PHY 2049L Physics Science & Eng II

4. Forensic Science Core (18 hrs)
   CHS 3501 Intro to Forensic Science
   CHS 3505C Forensic Microscopy
   CHS 3537 Forensic Lab Quality Assurance
   CHS 3595 Foren Sci in the Courtroom
   CHS 3533 Forensic Biochemistry I
   CHS 4591 Forensic Science Internship

5. Forensic Biochemistry Track (30 hrs)
   MCB 3020C General Microbiology
   BCH 4054 Biochemistry II
   BCH 4103L Biochemical Methods Lab
   PCB 3522 Molecular Biology I
   PCB 4524 Molecular Biology II
   BSC 3403C Quantitative Biological Methods
   CHS 4534C Forensic Biochemistry II
   CHS 4532 Interpretation of DNA Evidence
   CHS 353L Forensic Biochemistry Lab

6. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
   - Computer Competency met by CHS 3505C and CHS 4573.
   - American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
   - 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 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
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
- MAC 2254*: may use MAC 2311 & 2312
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048&Lab* and 2049&Lab*: Program admission requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, PHY 2048L, PHY 2049L, and Organic Chemistry through CHM 2046 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

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
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geo I 4
CHS 3531 Intro to For Sci 3

Spring
BSC 2010C Biology I 4
PHY 2048 Phy for Eng Sci I 3
ENC 1101 Composition I 3
PHY 2048L Phy L Eng Sci I 1
MAC 2311 Calc Anal Geo I 4
CHS 3531 Intro to For Sci 3
## UCF Degree Programs

**FRENCH (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages & Literatures**

**CHN 523**

http://mll.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

### Admission Requirements

| none |

### Place of Language courses

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

### Language Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</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></td>
</tr>
<tr>
<td>Select MGF 1106 Finite Mathematics or MGF 1107</td>
<td>3 hrs</td>
</tr>
<tr>
<td>(may substitute a higher level math)</td>
<td></td>
</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (0-14 hrs)

<table>
<thead>
<tr>
<th>Pre-Requisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 1120C* Elem French Lang &amp; Civ I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FRE 1121C* Elem French Lang &amp; Civ I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FRE 2200* Intern French Lang &amp; Civ I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 2201* Intern French Lang &amp; Civ II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*May be met by proficiency test or completion of FRE 2201

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

### 3. Core requirements (21 hrs)

<table>
<thead>
<tr>
<th>Pre-Requisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3300* Advanced Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3420* French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422 Advanced French Composition</td>
<td></td>
</tr>
<tr>
<td>FRE 3760* Adv French Oral Communication</td>
<td></td>
</tr>
<tr>
<td>FRE 4421 Advanced French Conversation</td>
<td></td>
</tr>
<tr>
<td>FRW 3100 Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3101 Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3780* French Phonetics and Diction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FOL 3730 Romance Philology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*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 (taught in French)

<table>
<thead>
<tr>
<th>French courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></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 French courses.
- Students are required to satisfactorily complete a departmental exit exam.
- Students must submit their portfolio to their French Faculty Advisor.
- Computer Competency must 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 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**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120 hrs</td>
</tr>
</tbody>
</table>

**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](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

1. Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
2. See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
   Preferred: SPC 1608
   9 hrs
   B. Cultural and Historical Foundations
   9 hrs
   C. Mathematical Foundations
   Select MAC 1440 Pre-Calculus
   Select CGS 2100C Computer Fundamentals for Business
   3 hrs
   D. Social Foundations
   Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
   3 hrs
   Select one: PST 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
   GGS 2100C Computer Fundamentals for Business 3 hrs

   *At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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 301IC Essentials of Management Information Systems 4 hrs
   MAR 4720 Strategic Management 4 hrs
   Last Semester:
   MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:
   1. Must complete all Gordon Rule requirements, prior to admission to this degree.
   2. Students who change degree programs and select this major must adopt the most current catalog.
   3. Only grades of “C” (2.0) or higher will transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   4. Students wanting to major in General Business must apply for admission to the major.
   5. Final exams will be given during Exam Week.
   6. 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.
   7. Students must have at least a 2.0 GPA in the major and COB.
   8. 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 3333 Financial Markets 3 hrs
   FIN 3414 Intermediate Corporate Finance 3 hrs
   FIN 3504 Investment Analysis 3 hrs

   Management
   MÀN 3301 Management of Human Resources 3 hrs
   MAN 4240 Organizations: Theory and Behavior 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 3223 Money and Banking 3 hrs
   ECP 3203 Contemporary Labor Economics 3 hrs
   ECP 4703 Managerial Economics 3 hrs

   *ECP 4703 is required. ECP 3202 and ECP 3223 are restrictive electives. 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
   1. Courses taken at community colleges do not substitute for upper division courses.
   2. 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.
   3. 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.
   4. 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 will transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   5. ACG X001 and X011 will substitute for ACG 2021 at UCF.
   6. 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
- 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

**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.oaeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaeas.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

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
<th>15 hrs</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td></td>
<td>ENGL 1101*</td>
<td>ENGL 1102*</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 1101*</td>
<td>HIST 1102*</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPCH 1003</td>
<td>SPCH 1003</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Elective</strong></td>
<td><strong>Elective</strong></td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**C** (2.0) or better grade required in each class

Must complete nine hours in a summer term

#### Sophomore

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
<th>15 hrs</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>ECO 2033</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2071*</td>
<td>ACG 2071</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>Science</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Elective</strong></td>
<td><strong>Elective</strong></td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**C** (2.0) or better grade required in each class

Student should choose major in one of the two areas of study below

#### GENERAL BUSINESS MAJOR

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
<th>15 hrs</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td></td>
<td>GEB 3021</td>
<td>GEB 3021</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BUL 3110</td>
<td>BUL 3110</td>
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</tr>
<tr>
<td></td>
<td>ISM 3011C</td>
<td>ISM 3011C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MAN 3025</td>
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<td>4</td>
<td>4</td>
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</tbody>
</table>

#### Senior

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GEB 3375</td>
<td>GEB 3375</td>
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</tr>
<tr>
<td></td>
<td>Required FIN Course</td>
<td>Required FIN Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required ISM Course</td>
<td>Required ISM Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required MAR Course</td>
<td>Required MAR Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Students take 3 restrictive electives from approved list described above</strong></td>
<td><strong>Students take 3 restrictive electives from approved list described above</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>General electives as required to reach 120 semester hours.</strong></td>
<td><strong>General electives as required to reach 120 semester hours.</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 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**

**HPA2 210, 407-823-2353**
[http://www.cohealth.ucf.edu/omi/bshim.cfm](http://www.cohealth.ucf.edu/omi/bshim.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)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit 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>7 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (17 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3703C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Statistics (GEP)</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
</tr>
</tbody>
</table>

*See Transfer Notes*  

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

#### 3. Core Requirements (66 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRS 3107</td>
<td>Introduction to Pharmacology</td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law &amp; Ethics</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiologic Mechanisms</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization/Management for Health Agencies</td>
</tr>
<tr>
<td>or MAN 3025</td>
<td>Management of Organizations</td>
</tr>
</tbody>
</table>
4. Upper Division Restricted Electives

5. Departmental Exit Requirements (120 hrs)

A minimum 2.5 overall GPA is required for graduation.

Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

Graduation: none

6. Electives

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 (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)

Related Programs: Health Services Administration, Business, Computer Science

Related Minors: Health Services Administration, Business, Computer Science

Transfer Notes:
Community College Equivalents:
Human Anatomy & Physiology I & II (BSC X085 and X086) 8
Financial Accounting (ACG 2021) 3
Managerial Accounting (ACG 2071) 3
Statistics (STA 2034C or any other statistics course) 3
Computer Science for Business (CGS 2100C) 3

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 .............................................. $30 per term
Part-time Student .............................................. $15 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year*

Fall 14 hrs Spring 16 hrs
ENC 1101 3 ENC 1102 3
CHM 1092 3 STA 2014C 3
HSC 2000 2 BSC 2010C 3
MAC 1105 3 EUH 2000 or HUM 2210 3
PSY 2012 or SYG 2000 3 or AMH 210
or ANT 2000 3 POS 2041 or ECO 2013 3
*Plan your required nine summer hours into your course of study

Sophomore Year

Fall 13 hrs Spring 13 hrs
ACG 2021 3 ACG 2071 3
200 3730 4
EUH 2001 or HUM 2230 or AMH 2020 3
or
CPS 1608 3
or
One Course: ARH 2050
or
ARH 2051, MUL 2010, THE 1020, REL 2300, PHI 2010, LIT 2110, LIT 2120

Notes:
**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
HPA2 208, 407-823-2747
http://www.co.hp.ucf.edu/health/pro/athletic

Undergraduate Program Director: Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschedillage@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.
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 reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

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.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations
  - Communication 1010C
  - Communication 1020C
- B. Cultural Historical Foundations
  - Cultural Foundations 2010C
  - Cultural Foundations 2020C
- C. Mathematical Foundations
  - Select MAC 1105
  - Select MAC 1140C
- D. Social Foundations
  - Select POS 2041
  - Select PSY 2012
- E. Science Foundations
  - Select BSC 2010C
  - Select CHM 2045C

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.

- BSC 2010C Biology I and Lab
- ZOD 3733C Human Anatomy
- PCB 3703C Human Physiology
- CHM 2045C Chemistry Fundamentals I
- PET 2053C Coll Physics I (algebra based) or PET 2048L Physics for Scientists I (calculus based)
- HUN 2002 Modern Concepts of Nutrition
- STA 2023 Statistical Methods I
- PSY 2012 General Psychology

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.

- PET 4603C Introduction to Athletic Training
- PET 3620 Principles of Athletic Training
- PET 3633C Clinical Skills for Athletic Trainers I
- PET 3607L Practicum in Athletic Training I
- HSC 3147 Introduction to Pharmacology
- PET 3623C Recognition and Evaluation of Athletic Injuries I
- PET 3649C Clinical Skills for Athletic Training II
- PET 4315C Biomechanics of Sport
- PET 3671C Practicum in Athletic Training II
- PET 4624C Recognition and Evaluation of Athletic Injuries II
- PET 4630C Therapeutic Exercise in Athletic Training
- PET 4632C Therapeutic Modalities in Athletic Training
- PET 4660C Organization and Administration in Athletic Training
- PET 3510C Physiologic and Metabolic Basis of Human Movement and Performance
- PET 4635C Advanced Rehabilitation in Athletic Training
- PET 4672L Practicum in Athletic Training III
- PET 4666L Applied Fitness in Sport
- PET 4673L Practicum in Athletic Training IV
- PET 4604 Sports Medicine in Field Application
- PET 4674 Senior Seminar

4. Upper Division Restricted Electives none

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: none

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
- 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)
Tentative Course Schedule for Entering Freshmen

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
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<tr>
<td>PSY 2012</td>
<td>3</td>
<td></td>
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<tr>
<td>HSC 2000</td>
<td>2</td>
<td></td>
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<tr>
<td>MAC 2015</td>
<td>3</td>
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<tr>
<td>CHM 2045C</td>
<td>4</td>
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</table>

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<thead>
<tr>
<th>Course</th>
<th>Sophomore Year</th>
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<tbody>
<tr>
<td>PHY 2053C</td>
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<tr>
<td>MCB 2004C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2012</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Summer</th>
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<tr>
<td>PET 4603C</td>
<td>3</td>
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<td>PET 3620</td>
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<td>(Foreign Lang I)</td>
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<tr>
<td>(Foreign Lang II)</td>
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<thead>
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<tr>
<td>PET 3670L</td>
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<td>PET 3633C</td>
<td>2</td>
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<td>PET 4624C</td>
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<td></td>
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<td>HSC 3147F</td>
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<td></td>
</tr>
<tr>
<td>Elective*</td>
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<tr>
<td>(Not if satisfied in high school)</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Senior Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PET 4600C</td>
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<td></td>
</tr>
<tr>
<td>PET 3510C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PET 4673L</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PET 4672L</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
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
   restricted. Some courses below may have additional prerequisite courses required.
   Course selection should be in consultation with an advisor and may vary by student
   depending on individual needs and objectives. Laboratory courses are required with
   selection of 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 4158 Medical Pharmacology I 2 hrs
   *HSC 4159 Medical Pharmacology II 2 hrs
   HSC 4564 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 Athletes I 3 hrs
   PET 3649C Clinical Skills for Athletes 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
   *MBG 3020 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 4702 Anatomy for the Medical Imager 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 clinical 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
     elective (see sections 3 through 5 above). Students should
     note that graduate programs may require a higher level of perfom-
     rance 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
     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 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.oaeas.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 1060C or CGS 2100C 3 CHM 2046 & 2046L 4
MAC 1105 3
HSC 2000** 2
**SLS 2311C (2 credits) is recommended for preprofessional students as a substitu-
tion in spring term

Summer 3 hrs
MAC 1114 3

Sophomore Year

Fall 16 hrs Spring 17 hrs

PHY 2053C 4 MUL 2010 or REL 2300 or 4
HUN 2002 3 THE 2000 or PHI 2010 3
SPC 1608 3 MCB 2004C 4
EUH 2000 or HUM 2212 or PHY 2054C 4
AMH 2010 3
STA 2014C or STA 2023 3
AMH 2020 3
MAC 1105 3
ECO 2023 or ECO 2013 3

Summer (if needed)

Foreign Lang I* 4
Foreign Lang II* 4
*If not satisfied in high school.

Junior Year

Fall 16/17 hrs Spring 15/16 hrs

DEP 2004 3 HSC 4652 3
HSA 3111 3 CHM 2205 5
HSC 3347 3 PCB 3703C 4
ZOO 3733C 4 AMH 2010 3
Restricted Elective 3/4

Senior Year

Fall 15/18 hrs Spring 12/14 hrs

HSA 4702 3 HSC 4595 3
Restricted Elective 3/4 HSC 4500 3
Restricted Elective 3/4 HIM 4506C 3
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111 U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3170 Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222 Long Term Care Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3430 Health Care Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109 Principles of Managed Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201 Community Health Services for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180 Organization and Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191 Health Care Automation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4506C Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4702 Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3537 Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500 Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564 Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652 Health Care Law &amp; Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4184 Organization &amp; Management for Health Agencies II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4941 Health Services Administration Internship</td>
<td>3 hrs</td>
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</tbody>
</table>

Students must earn a “C” (2.0) or better in each Core Requirement course.

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: Public Administration, Health Information Management

Related Minors: Aging Studies, Health Information Management, Health Sciences, and Public Administration

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

<table>
<thead>
<tr>
<th>Term</th>
<th>14 hrs</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>PSC 1121 or CHM 1120</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
<td>MUL 2010 or THE 2000</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3</td>
<td>or REL 2300 or PHI 2010</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>SPC 1608</td>
</tr>
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</table>

Sophomore Year

<table>
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<tr>
<th>Term</th>
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<th>12 hrs</th>
</tr>
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<tbody>
<tr>
<td>Fall</td>
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<td></td>
</tr>
<tr>
<td>ACG 2021</td>
<td>3</td>
<td>ACG 2011</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>3</td>
<td>STA 2023</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>3</td>
<td>EHU 2001 or HUM 2230</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td>or AMH 2010 or WOH 2012</td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2012</td>
<td>3</td>
<td>Elective/Minor</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>8 hrs</td>
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</tr>
<tr>
<td>Foreign Lan. (* or Elective/Minor</td>
<td>4</td>
<td>Foreign Lan. (* or Elective/Minor</td>
</tr>
<tr>
<td>(* if not satisfied in high school)</td>
<td></td>
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</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>15 hrs</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HSA 3111</td>
<td>3</td>
<td>HSA 3170</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>3</td>
<td>HSC 4180</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>3</td>
<td>HSC 4500</td>
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<tr>
<td>HSA 4191</td>
<td>3</td>
<td>HSA 3222</td>
</tr>
<tr>
<td>Elective/Minor</td>
<td>3</td>
<td>Elective/Minor</td>
</tr>
</tbody>
</table>
**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

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**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 3 hrs
  - (may substitute a higher level math)
  - 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
- **AMH 2020** US History 1877-Present

*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 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 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 coursework 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

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**6. Foreign Language Requirements**

**Admission:** Mel 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.

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**7. Electives** (variable)

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

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**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)

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**Total Semester Hours Required** 120 hrs

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**Related Programs:** Humanities

**Related Minors:** African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women’s Studies

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**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.

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**Program Academic Learning Compacts**

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

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

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**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 alternate, new or more appropriate selections.

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**Freshman Year**

Fall
- AMH 2010 U S His 1492 1877 3 hrs
- BSC 1005 req# 1E2-GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- POS 2041 req# 1D1-GEP 3 hrs
- SPN 1120C* req# Lang/Elect 3 hrs

Spring
- AMH 2020* US History 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SYG 2000* req# 1D2-GEP 3 hrs

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**Sophomore Year**

Fall
- ARH 2050* req# 1B3-GEP 3 hrs
- CGS 1060C Intro to Comp Sci 3 hrs
- EUH 2000* req# 3-Core 3 hrs
- Elective* Check restrictions 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- ARH 2050* req# 1B3-GEP 3 hrs
- EUH 2000* req# 3-Core 3 hrs
- Elective* Check restrictions 3 hrs
- Elective* Check restrictions 3 hrs
- SPN 1120C* req# Lang/Elect 3 hrs

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**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.**

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**Senior Year**

**Fall**
- HSA 3430 3 hrs
- HSA 4109 3 hrs
- HSA 4184 3 hrs
- HSA 4502 or HIM 4506C 3 hrs
- Elective/Minor 3 hrs

**Spring**
- HSA 4564 3 hrs
- HSA 4702 3 hrs
- Internship 3 hrs
- HSA 4XXX (Capstone) 3 hrs
UCF Degree Programs

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 3 hrs
      Select CGS 2100C Computer Fundamentals for Bus or
      STA 2003 Statistical Methods I 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 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
   MAC 1105 College Algebra (GEP)

4. Hospitality Management Core (34 hrs)
   FSS 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 Mgmt in Hospitality 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 Attractions Mgmt 3 hrs
   HFT 4277 Yacht, Country, and City Club Mgmt 3 hrs

6. Internship (3 hrs)
   HFT 3840 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 pro-
   grams (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 require-
   ment.

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 3 hrs
   HFT 4442 Vacation Ownership Resort Reservations/ 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 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

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 4851 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 4343 Hospitality Facilities Planning & Design 3 hrs
   HFT 4473 Hotel Development Analysis 3 hrs
   HFT 4253 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
   HFT 4443 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
   HFT 4419 Decision Making 3 hrs

F. Golf and Club Management Track
   (Choose 5 Courses from the following list)
   HFT 1350 Career and Promotional Development in Gol 3 hrs
   HFT 3357 Golf Event Operations 3 hrs
   HFT 3384 Golf and Club Enterprises 3 hrs
   HFT 1356 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 4354 Agronomy for Golf Course Mgmt 3 hrs
   HFT 4358 Golf Course Facility Design 3 hrs

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 pro-
   grams (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 require-
   ment.

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 3 hrs
   HFT 4442 Vacation Ownership Resort Reservations/ 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 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

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 4851 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 4343 Hospitality Facilities Planning & Design 3 hrs
   HFT 4473 Hotel Development Analysis 3 hrs
   HFT 4253 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
   HFT 4443 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
   HFT 4419 Decision Making 3 hrs

F. Golf and Club Management Track
   (Choose 5 Courses from the following list)
   HFT 1350 Career and Promotional Development in Gol 3 hrs
   HFT 3357 Golf Event Operations 3 hrs
   HFT 3384 Golf and Club Enterprises 3 hrs
   HFT 1356 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 4354 Agronomy for Golf Course Mgmt 3 hrs
   HFT 4358 Golf Course Facility Design 3 hrs
UCF Degree Programs

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 residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can 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.oas.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 HOSPITALITY MANAGEMENT*
*Plan your required nine summer credit hours into your course of study.

Freshman

Fall 15 hrs Spring 15 hrs
ENC 1101 3 ENC 1102 3
Cult-Hist I 3 Cult-Hist II 3
CSG 2100 or STA 2023 3
HFT 1000 3 HFT 2500 Hospitality Marketing 3
PSY 2012, SYG 2000 or ANT 2000 3

Sophomore

Fall 15 hrs Spring 15 hrs
ECO 2013 or ECO 2023 3
Science Foundation I 3
Unrestricted Elective 3
HFT 3444 Hosp Info Sys 3
Operations Core 3
FSS 2211C Quant Food Prep 3

Junior

Fall 14 hrs Spring 16 hrs
HFT 3540 Guest Svcs Mgmt 3
HFT 3603 Legal Environ 3
HFT 3411 Hosp Mgr Acct 3
Hospitality Elective 3
HFT 3940 Internship I 3
HFT 3933 Dist Lect in Hosp 3

Senior

Fall 15 hrs Spring 15 hrs
HFT 4944 Internship III 3
HFT 4295 Hospitality Communications 3
Hospitality Elective 3
Unrestricted Electives 5
Operations Core 3

HOSPIITALITY MANAGEMENT (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.

HUMANITIES (B.A.)
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Contact: Doug Evans, 407-823-2273; Fax: 407-823-6658

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (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 PHIL 2010 Intro to Philosophy or REL 2300 World Religions 3 hrs
C. Mathematical Foundations
- Select MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
- Select STA 1060C Statistics Using Excel 3 hrs
D. Social Foundations
- 6 hrs
E. Science Foundations
- 6 hrs

2. Common Program Prerequisites
- none

3. Core requirements (6 hrs)
- HUM 2210 Humanistic Traditions I GE
- HUM 2230 Humanistic Traditions II
- HUM 2220 Encountering the Humanities 3 hrs
- HUM 4033 Humanities Senior Research Seminar 3 hrs

4. Concentrations (choose one) (24 hrs)
Note: Appropriate new, or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

A. Classical Humanities:
1. Foundations
- HUM 4301 The Classical Ideal 3 hrs
- Select two courses
- HUM 4318 Ancient Humanities 3 hrs
- HUM 4345 Medieval Humanities 3 hrs
- HUM 3255 Modern Humanities 3 hrs
- (9 hrs)

2. Western Traditions and Applications
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4170 Greek and Roman Art 3 hrs
- HUM 3552 Christian Thought 3 hrs
- HUM 3553 Moses, Jesus, & Mohammed 3 hrs
- CLT 3370 Classical Mythology 3 hrs
- CLT 3378 Comparative Mythology 3 hrs
- JST 3401 The Jewish People I 3 hrs
- REL 3432 Roots of Western Mysticism 3 hrs
- (9 hrs)

Only one of the following may be taken
- PHH 3100 Ancient Philosophy 3 hrs
- PHH 3200 Medieval Philosophy 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

3. World Intellectual Traditions:
- ANT 3245 Native American Religions 3 hrs
- HUM 3401 Asian Humanities 3 hrs
- HUM 3417 Hindu Thought and Culture 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- HUM 3460 Latin American Humanities 3 hrs
- HUM 4303 The Spiritual Ideal 3 hrs
- HUM 4554 Religious Quest and the Human Dilemma 3 hrs

(6 hrs)
B. Multicultural Humanities

1. Foundations (9 hrs)
   - HUM 3320 Contemporary Multicultural Studies 3 hrs
   - HUM 4903H Honors Directed Readings 3 hrs

Select one
   - HUM 3431 Ancient Humanities 3 hrs
   - HUM 3435 Medieval Humanities 3 hrs

Select one
   - HUM 3325 Contemporary Humanities 3 hrs
   - HUM 3325 Modern Humanities 3 hrs

2. Traditions and Applications (15 hrs)
   - ANT 3311 Indians of the Southeastern US 3 hrs
   - ARH 3520 African Art 3 hrs
   - HUM 3401 Asian Humanities 3 hrs
   - HUM 3417 Hindu Thought and Culture 3 hrs
   - HUM 3419 Islamic Thought and Culture 3 hrs
   - HUM 3553 Moses Jesus and Mohammed 3 hrs
   - HUM 3460 Latin American Humanities 3 hrs
   - JST 3401 The Jewish People I 3 hrs
   - PHP 3701 Native American Philosophy 3 hrs
   - PHIL 3790 African Philosophy 3 hrs
   - PHIL 3123 Feminist Theory 3 hrs

C. Critical Humanities

1. Foundations (9 hrs)
   - HUM 3325 Modern Humanities 3 hrs
   - HUM 3325 Contemporary Humanities 3 hrs
   - PHI 4804 Critical Theory 3 hrs

2. Traditions and Applications (15 hrs)
   - HUM 4330 Performance Theory 3 hrs
   - HUM 4554 Religious Quest and the Human Dilemma 3 hrs
   - HUM 3930 Representations of Place and Space 3 hrs
   - PHI 3510 Marx and Nietzsche 3 hrs
   - PHI 3638 Ethical Issues in the 21st Century 3 hrs
   - PHI 3023 Philosophy, Religion, and the Environment 3 hrs
   - PHI 3022 Sexuality, Gender, and Philosophy 3 hrs
   - PHI 3123 Feminist Theories 3 hrs
   - PHP 3708 Existentialism 3 hrs
   - PHP 4782 Phenomenology 3 hrs
   - REL 3111 Religion and Philosophy through Film 3 hrs
   - REL 3115 Religion, Spirituality, and Popular Music 3 hrs

5. 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

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.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.

Freshman Year
   - Fall: ENC 1101 Composition I 3 hrs
   - Spring: ENC 1102 Composition II 3 hrs

Sophomore Year
   - Fall: HUM 2210 Human Traditions I 3 hrs
   - Spring: MGF 2020 Encounter the Hum 3 hrs

Junior Year
   - Fall: HUM 3417* req# 4A3-ClasHu 3 hrs
   - Spring: HUM 4903H Honors Directed Readings 3 hrs

Senior Year
   - Fall: HUM 4907H Honors Thesis 3 hrs
   - Spring: HUM 4933 Senior Res Seminar 3 hrs

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, 407-823-2273; Fax: 407-823-6658;
Advisor (Cocoa): Shelley Park, 321-433-7919

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## 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select HUM 2220 Humanistic Tradition II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select REL 2300 World Religions or PHI 2010 Intro to Phil</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or MGF 1107 (May substitute a higher level math)</td>
<td></td>
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</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
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<td></td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (none)

### 3. Core requirements (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Core</td>
<td></td>
<td>0 hrs</td>
</tr>
<tr>
<td>HUM 2210 Humanistic Traditions I</td>
<td></td>
<td>GEP</td>
</tr>
<tr>
<td>HUM 2230 Humanistic Traditions II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 2010 Intro to Philosophy</td>
<td></td>
<td>GEP</td>
</tr>
<tr>
<td>b. Theoretical Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>PHI 3684 Ways of Living</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 4341 Ways of Knowing</td>
<td></td>
<td></td>
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</table>

### 4. Popular Culture Studies (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Contemporary Media</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select two courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUM 3320 Contemporary Multicultural Studies</td>
<td></td>
<td></td>
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<tr>
<td>HUM 4556 Religion and the Arts</td>
<td></td>
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<tr>
<td>HUM 4330 Performance Theory</td>
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<tr>
<td>PHI 3625 Virtual Ethics</td>
<td></td>
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<tr>
<td>PHI 4931 Philosophy in the News</td>
<td></td>
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<tr>
<td>POS 3235 Mass Media and Politics</td>
<td></td>
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<tr>
<td>POS 3258 Politics in Film</td>
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</tr>
<tr>
<td>REL 3115 Religion, Spirituality and Popular Music</td>
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<tr>
<td>REL 3111 Religion and Philosophy through Film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYP 3630 Sociology of Popular Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Contemporary Forms of Life</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select two courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANT 3302 Sex, Gender and Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUM 3252 Contemporary Humanities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3222 Sex, Gender and Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3629 Family Values</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3033 Philosophy, Religion and the Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHM 3401 Philosophy of Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHM 3630 Ethical Issues in the 21st Century</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3683 Philosophy of Friendship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3020 Philosophy of Love</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 3123 Feminist Theories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 4321 Philosophies of Embodiment: Mind/Body/Self</td>
<td></td>
<td></td>
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<tr>
<td>REL 3113 Religion in America</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5. Capstone Course (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4933 Senior Research Seminar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Core Requirements, Popular Culture and Capstone</td>
<td></td>
<td>33 hrs</td>
</tr>
<tr>
<td>b. Honors Thesis</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>HUM 4903H Honors Directed Readings</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4970H Honors Thesis</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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)

**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

- 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

**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

**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:**

- Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
demic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic 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 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. Minimum 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 3023 (PR: MAC 2312)

   D. **Social Foundations**
      
      1. Prefer ECO 2013 or ECO 2023.

   E. **Science Foundations**
      
      1. Select PHY 2048/48L (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 2048/48L 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 hr
   - 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

   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 engineering 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 generally do not satisfy major requirements.

   - EGN 1006C Eng Conc&Meth 1 hr
   - EGN 1007C Eng Concepts & Methods 1 hr
   - COP 3323 Intro to C Programming 3 hrs
   - MAP 3310 Engineering Analysis - Statics 3 hrs
   - EGN 3321 Engineering Analysis - Dynamics 3 hrs
   - EGN 3358 Thermodynamics 3 hrs
   - or EGN 3343 Principles of Electrical Engineering 3 hrs

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 Engineering Economic Analysis 2 hrs
   - EGN 4624 Engineering Administration 3 hrs
   - STA 3032 Probability & Statistics for Engineers GEP
   - EIN 3000 Introduction to IE & MS 2 hrs
   - EIN 3314C Work Measurement & Design 3 hrs
   - EIN 3354 Principles of Cost Engineering 3 hrs
   - ESI 4628C IE Applications of Computers 3 hrs
   - EIN 4517 Systems Engineering 3 hrs

**5. Approved Technical Electives** (5 hrs)

   Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Departmental Graduation Requirements** (6 hrs)

   - EIN 4416C Systems Analysis & Design 3 hrs
   - EIN 4891C IE Senior Design Project 3 hrs

   Take the Fundamentals Exam during the 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 (if applicable).

**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-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.oecs.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.

**Industrial Engineering - 128 semester hours required**

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs$^{1,2}$</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>CHS 1440 Fund of Chin/Engrs</em> 12</td>
<td><em>ENC 1102 English Comp II</em> 3</td>
</tr>
<tr>
<td><em>ENC 1101 English Comp I</em> 4</td>
<td><em>MAC 2312 Calc with Analy Geo II</em> 4</td>
</tr>
<tr>
<td><em>MAC 2311 Calc with Analy Geo</em> 4</td>
<td><em>EGN 1006C Intro to Eng</em> 3</td>
</tr>
<tr>
<td>EGN 4624 Eng Conc&amp;Meth 3</td>
<td><em>PHY 2048L Phys Engr/Sci I</em> 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Winter</th>
<th>12 hrs$^{1,2}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3613 Engineering Economic Analysis 2</td>
<td><em>EIN 4416C Systems Analysis &amp; Design</em> 3</td>
</tr>
<tr>
<td>EGN 4624 Engineering Administration 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
</tr>
<tr>
<td>STA 3032 Probability &amp; Statistics for Engineers GEP</td>
<td>EIN 4891C IE Senior Design Project 3</td>
</tr>
<tr>
<td>EIN 3000 Introduction to IE &amp; MS 2</td>
<td>EIN 4891C IE Senior Design Project 3</td>
</tr>
<tr>
<td>EIN 3314C Work Measurement &amp; Design 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
</tr>
<tr>
<td>EIN 3354 Principles of Cost Engineering 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
</tr>
<tr>
<td>ESI 4628C IE Applications of Computers 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
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<tr>
<td>EIN 4517 Systems Engineering 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
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**Summer**

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<th>6 hrs$^1$</th>
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<tbody>
<tr>
<td>COP 3323 Intro to C Programming 3</td>
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<tr>
<td><em>ECO 2013 Macroeconomics</em> 3</td>
</tr>
<tr>
<td>ECO 2023 Microeconomics</td>
</tr>
<tr>
<td>UCF Degree Programs</td>
</tr>
<tr>
<td>---------------------</td>
</tr>
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</table>

### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Spring</th>
<th>15 hrs&lt;sup&gt;1&lt;/sup&gt;</th>
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<tbody>
<tr>
<td>*PHY 2049L Phys Eng/Sci II</td>
<td>4</td>
<td>EIN 4517 Systems Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3023 Prob &amp; Stats Engrs</td>
<td>3</td>
<td>*MAP 2022 Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>EIN 3000 Intro to IE &amp; Mgt Sys</td>
<td>2</td>
<td>EGN 3110 Engr Anal-Statics</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2313 Calc with Analytic Geo III</td>
<td>4</td>
<td>SPC 1603 Tech Presentations</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>EIN 4243C Human Engng</td>
<td>3</td>
</tr>
</tbody>
</table>

### Summer

- EGN 3613 Engineering Econ Anal | 2
- *Social Foundations II | 3
- EGN 3321 Engr Anal-Dynamics | 3

### THIRD YEAR

#### Fall

- EIN 3314C Work Mtls & Dsgn | 3
- EIN 4391C Mfg. Engr. | 3
- EGN 3354 Princ of Cost Engrng | 3
- ESI 4312 Operations Research | 3
- ESI 4628C IE Computer Appl | 3

#### Spring

- EIN 4364C Indus Fcty Plan/Dsgn | 3
- ESI 4221 Empirical Mthds - IE | 3
- ESI 4523 Systems Simulation | 3
- ESI 4333C Industrial Cont Sys | 3
- EGN 3358 Therm-Flts-Ht Trans | 3
- or EIN 3344 Thermodynamics |

### SUMMER

- 6 hrs<sup>1</sup>
- *Social Foundations | 3
- **Cultural Foundation | 3

### FOURTH YEAR

#### Fall

- EIN 4516C Sys Anal & Dsgn | 3
- ESI 4234 Quality Engineering | 3
- EGN 4624 Engineering Admin | 3
- EGN 3373 Prin of Elec Eng | 3
- Technical Elective | 2

#### Spring

- EIN 4891C IE Sr. Design Proj | 3
- Technical Elective | 3
- *Historical Foundation | 3
- *Science Foundation II | 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 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 Approved Technical Electives 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](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 (36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>ENC 1101 &amp; ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>SPC 1603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>MAC 2313 Calc with Analytic Geo III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Lower Level Required Courses (33 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
</tr>
<tr>
<td>Lower level technical courses taken at Community College</td>
<td>30 hrs</td>
</tr>
</tbody>
</table>

#### 3. Prerequisite Courses (14 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>EET 3085C</td>
<td>Electricity &amp; Electronics</td>
</tr>
<tr>
<td>or EET 3086 Principles of Electrical Circuits</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CET 315C</td>
<td>Digital Technology</td>
</tr>
<tr>
<td>CET 2364</td>
<td>Systems Applications in C</td>
</tr>
</tbody>
</table>

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

#### 4. Required Technical Courses (27 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3529</td>
<td>Linux/Unix Sys Admin and Applications</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Intro to Info Technology</td>
</tr>
<tr>
<td>CET 4427</td>
<td>Applied Database I</td>
</tr>
<tr>
<td>CET 3383</td>
<td>Applied Systems Analysis I</td>
</tr>
<tr>
<td>CET 4505</td>
<td>Applied Operating Systems I</td>
</tr>
<tr>
<td>CET 2979</td>
<td>Intro to Telephony</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Computer Organization &amp; Design</td>
</tr>
<tr>
<td>CET 4746</td>
<td>Wide Area Networks I</td>
</tr>
</tbody>
</table>

#### 5. IST Support Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Writing For Technical Professional</td>
</tr>
<tr>
<td>ENC 4448</td>
<td>Applied Proj Mgmt</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods</td>
</tr>
</tbody>
</table>

#### 6. Technical Electives (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3198C</td>
<td>Digital Systems</td>
</tr>
<tr>
<td>CET 4138C</td>
<td>Digital Programmable Devices</td>
</tr>
<tr>
<td>CET 4931</td>
<td>Current Topics in Technology</td>
</tr>
<tr>
<td>MAP 3401</td>
<td>Problem Analysis</td>
</tr>
<tr>
<td>CET 4523</td>
<td>Applied Systems Analysis II</td>
</tr>
<tr>
<td>CET 4427</td>
<td>Applied Database II</td>
</tr>
<tr>
<td>CET 4583</td>
<td>Web Base Systems I</td>
</tr>
<tr>
<td>CET 4584</td>
<td>Web Base Systems II</td>
</tr>
<tr>
<td>CET 4563</td>
<td>Computer &amp; Networks Security</td>
</tr>
<tr>
<td>CET 4568</td>
<td>Practice of Information Security</td>
</tr>
<tr>
<td>CET 4882</td>
<td>Network Defense Strategies</td>
</tr>
<tr>
<td>CET 4884</td>
<td>Security Meth &amp; Pract</td>
</tr>
<tr>
<td>CET 4885</td>
<td>Investigative Digital Technology</td>
</tr>
<tr>
<td>CET 4899</td>
<td>Sec Sensor &amp; Biomet</td>
</tr>
<tr>
<td>ETG 4905C</td>
<td>Senior Design Project</td>
</tr>
<tr>
<td>ISM 3011C</td>
<td>Essentials of Management Information Systems</td>
</tr>
<tr>
<td>ISM 4153C</td>
<td>Enterprise Information Systems</td>
</tr>
<tr>
<td>ISM 4431</td>
<td>Business Process Analysis</td>
</tr>
<tr>
<td>ISM 4154</td>
<td>Enterprise Application Development</td>
</tr>
<tr>
<td>ISM 5219</td>
<td>Business Intelligence Systems</td>
</tr>
</tbody>
</table>

#### 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)
Total Semester Hours Required: 128 hrs
Related Programs: none
Related Minors: Interdisciplinary Informatics Technology, Secure Computing and Networks

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.

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
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
- Fall: 13 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 1105 College Algebra 3 hrs
  - Cultural/Historical Foundation 3 hrs
  - Lower level elective (CC) 4 hrs
- Spring: 16 hrs
  - ENC 1102 Composition II 3 hrs
  - MAC 1114 Trigonometry 3 hrs
  - Biological science 3 hrs
  - Lower level elective (CC) 4 hrs
  - Lower level elective (CC) 4 hrs

Sophomore Year
- Fall: 15 hrs
  - SPC 1121 Physical Science 3 hrs
  - Cultural/Historical Foundation 3 hrs
  - Lower level elective (CC) 3 hrs
  - Lower level elective (CC) 3 hrs
- Spring: 16 hrs
  - CET 2364 Syst Applications in C 3 hrs
  - Social Foundation 3 hrs
  - Lower level elective (CC) 3 hrs
  - Lower level elective (CC) 3 hrs

Summer: 6 hrs
- Lower level elective (CC) 3 hrs
- Lower level elective (CC) 3 hrs

Junior Year
- Fall: 16 hrs
  - EET 3065C Elect & Electronics 4 hrs
  - CET 3010 Intro to Info Tech 3 hrs
  - STA 2023 Statistical Methods 3 hrs
  - Lower level elective (CC) 3 hrs
  - Lower level elective (CC) 3 hrs
- Spring: 13 hrs
  - CET 3529 Linux/Unix Sys Admin 3 hrs
  - CET 3115C Digital Tech 4 hrs
  - CET 4483 Intro to Local Area Net 3 hrs

Summer: 9 hrs
- ENC 3241 Tech Rept Writing 3 hrs
- ETI 4448 Applied Proj Mgmt 3 hrs

Senior Year
- Fall: 12 hrs
  - CET 4505 Appl Oper Sys I 3 hrs
  - CET 3679 Intro to Telephony 3 hrs
  - CET 4748 Wide Area Networks I 3 hrs
  - CET 4427 Appl Database I 3 hrs
- Spring: 12 hrs
  - CET 3383 Applied Sys Analysis I 3 hrs
  - Upper level elective 3 hrs
  - Upper level elective 3 hrs

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.

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 (36+1 hrs)
   - A. Communication Foundations
     9 hrs
   - 1. ENC 1101 & ENC 1102
   - 2. Prefer SPC 1003
   - B. Cultural and Historical Foundations
     6 hrs
   - 1. Select MAC 1105
   - 2. Select STA 2023
   - C. Mathematical Foundations
     3 hrs
   - 1. Select PSY 1113
   - 2. Select ECO 1013
   - D. Social Foundations
     3 hrs
   - 1. Select PHY 2053C
   - 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (12 hrs)
   - MAC 1114 Trigonometry
     GEP
   - STA 2023 Statistical Methods I
     GEP
   - ECO 2013 Macroeconomics
     GEP
   - PHY 2012 General Psychology
     GEP
   - COP 3223 C Programming Language
     3 hrs
   - COP 3330 Object Oriented Programming
     3 hrs
   - CGS 2545C Database Concepts
     3 hrs
   - MAD 2104 Foundations of Discrete Mathematics
     3 hrs
   - or COT 3100C Discrete Structures

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

3. Core Requirements (45 hrs)
   - COP 3502C Computer Science I
     3 hrs
   - CIS 3360 Security in Computing
     3 hrs
   - CAP 4104 Human and Technology Interaction
     3 hrs
   - EEL 3041 Circuit Analysis
     3 hrs
   - EEL 3531 Information Theory
     3 hrs
   - CGS 3269 Computer Architecture Concepts
     3 hrs
   - COP 4610L OS Laboratory
     3 hrs
   - CNT 3004 Computer Network Concepts
     3 hrs
   - CIS 3003 Fundamentals of Information Technology
     3 hrs
   - CIS 4313 Managing IT Integration
     3 hrs
   - CNT 4714 Enterprise Computing
     3 hrs
   - CIS 4004 Web-Based Information Technology
     3 hrs
   - CNT 4703C Network Laboratory
     3 hrs
   - COP 4910 Frontiers of Information Technology
     3 hrs
   - PHY 2626 Ethics in Science and Technology
     3 hrs

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 (6 hrs)
   - ENC 3341 Technical Report Writing
     3 hrs
   - Select one from ENC 4293, ENC 4265, ENC 4414, or ENC 4415
     3 hrs

5. Restricted Upper-Division Electives (6 hrs)
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)
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.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   - Full-time Student ........................................... $90 per term
   - Part-time Student ........................................... $45 per term

Undergraduate Catalog

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog
   - Students must have declared an Interdisciplinary Studies major at least two semesters before graduation
   - Co-op credit cannot be used in this major
   - Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major
   - Students must earn at least a “C” (2.0) in each core and restricted elective course
   - Students must consult with an Interdisciplinary Studies 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 a minor

Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees

1. UCF General Education Program (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. Core (6 hrs)
   - IDS 3933 Cornerstone Experience in Interdisciplinary Studies 3 hrs
   - IDS 4934 Capstone Experience in Interdisciplinary Studies 3 hrs

4. Restricted Electives (30 hrs)
   - Students must complete two different subject area concentrations from among those specified below.
   - Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies 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

INTERDISCIPLINARY STUDIES (B.A., 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

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in an Interdisciplinary area. 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/.

Admission Requirements

None
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-BA: Met by graduation requirement.
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.oes.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 a 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 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+2 hrs)
A. Communication Foundations
B. Cultural and Historical Foundations
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
B. Life Sciences
C. Social Science & Humanities

4. Subject Area: Environmental Studies Fundamentals (19 hrs)
A. Physical/Environmental Studies
B. Mathematical/Environmental Studies
C. Social Science & Humanities

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Gen Ed</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biotechnology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Environmental Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 3152C</td>
<td>Local Flora</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 3800</td>
<td>Ethnobotany</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 4156C</td>
<td>Florida Wildflowers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>Plant Kingdom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 4886C</td>
<td>Conservation and Management of Native Plants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Marine Biology</td>
<td></td>
<td></td>
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<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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 Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.

#### 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)
    - AML 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

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**Values, Planning, & Policy Concentration**

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541 Biobehavioral Anthropology
- BOT 3800 Ethnobotany
- ECP 4302 Economics of the Environment
- ENC 3211 Theory and Practice of Technical Writing
- ENC 3231 Writing for the Technical Professional
- ENC 4360 Nature Writing
- GIS 4035C Remote Sensing of Environment
- INR 4351 International Environmental Law
- PAD 4304 Urban and Regional Planning
- PAD 4351 Issues in Environmental Program Management
- PHI 3033 Philosophy, Religion, & the Environment
- PHI 3640 Environmental Ethics
- PHI 4040 Philosophy of Science
- PHI 4633 Ethics and Biological Science
- PHM 4031 Environmental Philosophy
- PLA 4554 Land Use and Environmental Law
- PUP 4204 Sustainability
- PUP 4209 Urban Environmental Policy

**6. Program Exit Requirements (0-8 hrs)**

- A grade of “C” or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

**7. Foreign Language Requirements (0-8 hrs)**

- Admission-BS: Two years high school, or one college language (or equivalent proficiency exam) prior to graduation
- 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.

**8. Electives (variable)**

Select primarily from upper level courses, with advisor approval

**9. University Minimum Exit Requirements**

- A 2.0 UCF and overall 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 Required Hours** 120 hrs

**Related Programs**: Biology, Chemistry, Environmental Engineering, Political Science, Economics

**Related Minors**: All 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.oes.ucf.edu/alc/academic_learning.compacts.htm](http://www.oes.ucf.edu/alc/academic_learning.compacts.htm)
Women's Studies Cognate Area:
Select 18 hours from the following courses: (18 hrs)
- AML 3614 Topics in African-American Literature
- AML 3622 Ethnic Literature in America
- AML 4261 Literature of the South
- ANT 3212 Peoples of the World
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4681 Domestic Violence and the Justice System
- EEU 3242 Modern Europe and the First World War
- EEU 5937* Social Theory/History*
- HSC 3593 HIV Disease: A Human Concern
- ITT 5556 Feminist Theory*
- LIN 4643 Cross Cultural Communication
- PEM 2405 Self-Defense for Women and Men
- PHI 3640 Environmental Ethics
- PHI 3670 Ethical Theory
- PHI 4300 Theories of Knowledge
- PUP 3314 Minorities in Politics
- SOP 2772 Sexual Behavior
- SOP 3764 Psychology of Diversity
- SYD 3700 Race and Ethnic Minorities in the U.S.
- SYO 4100 Family Trends
- SYO 4200 Sociology of Religion
- SYP 3630 Sociology of Popular Culture
- SYP 3650 Sociology and Sport
- SYP 4732 Minority Aging
- THE 3230 Cultural Diversity Through Theater

*Undergraduate students will need professor’s permission to register for graduate-level courses.

Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.

Second Study Area (from those below) (18 hrs)
See the Interdisciplinary Studies Advising Teams for details regarding each area:
- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Life/Biomedical
- Physical Sciences
- Public Affairs

4. Required Minor (18 hrs)
Students must complete the Women’s Studies minor.

5. Program Exit Requirements
- A grade of "C" or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by CGS 1060C, STA 1060C, or departmental assessment.

6. 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 proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
Note: Students entering without having met the admission requirement must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with Interdisciplinary Studies advisor’s approval. May be outside of Women’s Studies.

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: 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
- 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 the 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
     - A.1. Communication 3 hrs
   - B. Cultural and Historical Foundations 9 hrs
     - B.1. Cultural Foundations 3 hrs
     - B.2. Historical Foundations 3 hrs
   - C. Mathematical Foundations 6 hrs
     - C.1. Mathematics (8 hrs)
   - D. Social Foundations 6 hrs
     - D.1. Social Foundations (8 hrs)
   - E. Science Foundations 6 hrs
     - E.1. Science Foundations (8 hrs)
   - F. Common Program Prerequisites none

2. Core Requirements (24 hrs)
   - INR 3222 International Relations-Theory and Practice 3 hrs
   - POS 2041 American National Government GEP
   - ECO 3041 Principles of Macroeconomics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - IDS 4315 Global Perspectives 3 hrs
   - CGS 3103 Comparative Politics 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
   - INR 4030 International Relations Theory 3 hrs
4. Restricted Electives (18 hrs)

Note: Students must meet all prerequisites before taking these classes.

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<tr>
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<tbody>
<tr>
<td>CPO 3034</td>
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<td>Political Economy</td>
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<td>Politics of European Union</td>
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<td>CPO 4303</td>
<td>Comparative Latin American Politics</td>
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<td>Women in Comparative Politics</td>
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<td>CPO 5334</td>
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<td>POS 3253</td>
<td>Contemporary Revolution and Political Violence</td>
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<td>INR 4364</td>
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<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
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<td>Topics in Amer Foreign Policy</td>
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<td>INR 4941</td>
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<td>PUP 4503</td>
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<td>PUP 4510</td>
<td>Space Policy</td>
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Other courses may be substituted with the chair’s approval.

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. Notes: No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waved for students who double major in French, Spanish, or Modern Language Combination.

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

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

8. Electives (variable)

Select primarily from upper level courses, with departmental advisors approval. May be taken 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: Anthropology, Economics, History

Related Minors: Anthropology, 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.

Program Academic Learning Compacts

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

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

Contact: Jeff Butler, 407-823-2432, E-mail: jbutler@mail.ucf.edu

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

1. UCF General Education Program (36 hrs)

A. Communication Foundations
- Select ENC 1101 & 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 1060C or STA 2014C 3 hrs

C. Scientific Foundations
- Select SPC 1608 3 hrs
- Select SPC 3301 3 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)

- Select SPC 1608 3 hrs
- Select SPC 3301 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (15 hrs)

a. Select one course
- STA 1060C Basic Statistics Using Excel
- STA 2014C Principles of Statistics

b. Complete the following
- COM 3011C Communication & Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- SPC 3314 Critical Thinking: Writing, Literacy, and Communication 3 hrs
- SPC 3489 Communication and Social Change 3 hrs
- SPC 3700 Upper Division Communication Elective 3 hrs

4. Restricted Electives (21 hrs)

Select from the following list:
- COM 3013 Communication and the Family 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs

Total Semester Hours Required 120 hrs
### 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.
- 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 internships. 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.

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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 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. 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.eoes.ucf.edu/aic/academic_learning_compacts.htm](http://www.eoes.ucf.edu/aic/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

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<th>Credits</th>
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#### Spring

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<td>COM 4943*</td>
<td>req# 4-ResElec</td>
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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)
   - Communication Foundations
     - Select ENC 1101 & ENC 1102 6 hrs
     - Select SPC 1608 or SPC 1603 3 hrs
   - Cultural and Historical Foundations
     - Select MTH 2431 3 hrs
     - Select ENF 1101 3 hrs
     - Select SPC 1608 or SPC 1603 3 hrs
   - Science Foundations
     - Select SPC 1608 or SPC 1603 6 hrs

2. Common Program Prerequisites: (0 hrs)
   - 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.

3. Common Core requirements (15 hrs)
   - JOU 2100C* News Reporting 3 hrs
   - JOU 3211* Editing I 3 hrs
   - MMC 3200 Mass Communication Law 3 hrs
   - JOU 4700 Journalism Ethics 3 hrs
   - JOU 4342C Converged Journalism 3 hrs
   - *Grammar Proficiency must be satisfied.
     - Must earn at least a “C” (2.0) to enroll in subsequent courses.

4. Specialization: Select one area

4.1 Newswriting: Select one course (17-18 hrs)
   - a. Required courses
     - JOU 3184C* Metro Reporting 3 hrs
     - JOU 3501 Advanced Reporting 3 hrs
     - JOU 4181 Public Affairs Reporting 3 hrs
   - b. Directed Electives (Select from the following) 8-9 hrs
     - MMC 2004 Mass Media
     - JOU 3004 History of American Journalism
     - PGY 3610C Photojournalism I
     - JOU 3202 Editing II
     - JOU 3101* Public Affairs Reporting 3 hrs
     - JOU 3101 Advanced Reporting 3 hrs
     - JOU 4211C Informational Graphics 3 hrs

4.2 Visual Communication (17-18 hrs)
   - a. Required courses
     - VCC 3001 Visual Communication 3 hrs
     - JOU 4213C Page Design 3 hrs
     - JOU 4211C Informational Graphics 3 hrs
     - PGY 3610C Photojournalism I
     - PGY 3630 Photojournalism III
     - CDS 2585C Desktop/Internet Publishing
     - JOU 3940 or JOU 4941 Internship (2 credits maximum)
   - b. Directed Electives (5-6 hrs)
     - Select two courses from the following
     - MMC 2004 Mass Media
     - JOU 3004 History of American Journalism
     - JOU 4340C On-line Journalism
     - PGY 3610C Photojournalism I
     - PGY 3630 Photojournalism III
     - CDS 2585C Desktop/Internet Publishing
     - JOU 3940 or JOU 4941 Internship (2 credits maximum)

4.3 Editing: (17-18 hrs)
   - a. Required courses
     - JOU 3202 Editing II 3 hrs
     - JOU 4213C Page Design 3 hrs
     - JOU 4211C Informational Graphics 3 hrs

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)
   - 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. 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
   - 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................... $44 per term
- Part-time Student ......................................... $22 per term
Legal Studies (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/
Undergraduate Program Director and Pre-Law Advisor:
David Slaughter, E-mail: dslaught@mail.ucf.edu

Admission Requirements  none

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)
   A. Communication Foundations 9 hrs
      1. ENC 1101 & ENC 1102
   2. Prefer SPC 1608

B. Cultural Historical Foundations 6 hrs
   1. CHM 1020

C. Mathematical Foundations 6 hrs
   PLA 3013

D. Social Foundations 6 hrs
   PLA 3104

E. Science Foundations 6 hrs
   PLA 3155

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 Capstone: 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall                14 hrs          Spring                15 hrs
ENC 1101            3                ENC 1102            3
PSY 2012 or SYG 2000 3                CGS 1060C  3
MCF 1106            3                ECO 2013 or POS 2041 3
BSC 100S or MCB 1310 3                or ECO 2023  3
PAF 2102            2                One course: ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2100, LIT 2110, LIT 2120, Elective  3

Sophomore Year
Fall                15/16 hrs       Spring                15/16 hrs
PSC 1121 or CHM 1020 3                PLA 3013  3
SPC 1608            3                EUH 2001 or HUM 2230 3
EUP 2000 or HUM 2210 or AMH 2020  3                For. Lang. I or B.S. Option 3/4, Elective  3
For. Lang. I or B.S. Option  3/4        Elective/Minor  3
Junior Year

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Senior Year

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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

- Communication Foundations 9 hrs
- Preferred: SPC 1608
- Cultural and Historical Foundations 9 hrs
- Mathematical Foundations
  - Select MAC 1140 Pre-Calculus 3 hrs
  - Select CGS 2100C Computer Fundamentals for Bus 3 hrs
- Social Foundations
  - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
- Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
- 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 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

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 hrs
    - MAN Elective 3 hrs
    - MAN Elective 3 hrs

- 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 4600 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 hrs
    - MAN Elective 3 hrs
    - MAN Elective 3 hrs

- 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 (chosen among MAN courses and BUL 4540)
    - MAN Elective 3 hrs
    - MAN Elective 3 hrs
    - MAN Elective/BUL 4540 Employment Law 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
- 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) (24 hrs)

Total Semester Hours Required 120 hrs
UCF Degree Programs

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, 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/aic/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

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 **Elective 3
**Elective 3 **Elective 3
**Elective 3 **Elective 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 2071* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 **Elective 3
**Elective 3 **Elective 3
**C (2.0) or better grade required in each class
Student should choose to major in one of the two areas of study below

GENERAL MANAGEMENT TRACK

Junior
1st Term 15 hrs 2nd Term 16 hrs
GEB 3031 4 ISM 3011C 4
BUL 3130 4 MAR 3023 4
ISM 3530 3 ECO 3411 4
MAN 3025 4 FIN 3403C 4

Senior
1st Term 16 hrs 2nd Term 16 hrs
GEB 3375 4 MAN 4720 4
MAN 4240 3 MAN 4350 3
MAN 4701 3 **MAN Elective 3
**MAN Elective 3 **MAN Elective 3
**Elective 3 **Elective 3
**Students select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

HUMAN RESOURCE MANAGEMENT TRACK

Junior
1st Term 15 hrs 2nd Term 16 hrs
GEB 3031 4 BUL 3130 4
GEB 3375 4 MAN 3301 3
MAR 3023 4 ECO 3411 4
MAN 3025 4 FIN 3403C 4

Senior
1st Term 16 hrs 2nd Term 16 hrs
MAN 4330 3 MAN 4350 3
MAN 4320 3 **MAN Elective 3
ISM 3011C 4 **MAN Elective 3
**MAN Elective 3 **Elective 3
**Students select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

ENTREPRENEURSHIP TRACK

Junior
1st Term 16 hrs 2nd Term 16 hrs
GEB 3031 4 MAN 4720 4
GEB 3375 4 ECO 3411 4
MAR 3023 4 BUL 3130 4
MAN 3025 4 FIN 3403C 4

Senior
1st Term 16 hrs 2nd Term 16 hrs
GEB 4111/FIN 3461 3 MAN 4720 4
MAR 3040/3391 3 GEB 4110 3
MAN 3301 3 **MAN Elective 3
ISM 3011C 4 **MAN Elective 3
**MAN Elective 3 **Elective 3
**Students select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

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 (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 CGS 2100C Computer Fundamentals for Business
      3 hrs
   D. Social Foundations
      Select ECO 2023 Microeconomics
      3 hrs
      ECO 2023 Microeconomics
      3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000
      3 hrs
      Select two: ECO 3401, Management Information Systems
      6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a 2.0 or better.
   ACG 2071 Principles of Managerial Accounting
   3 hrs
   ECO 2023 Microeconomics
   3 hrs
   ECO 2031 Macroeconomics
   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. 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
UCF Degree Programs

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
MAR 3023 Marketing 4 hrs
ISM 3011C Essentials of Management Information Systems 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.
- Students desiring to major in Management Information Systems must apply for admission to the major and have at least a 2.0 GPA in Common Program Prerequisites.
- Final exams will be given during Exam Week.
- Any student receiving a 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 courses required for the major (including electives) must be completed with a grade of "C" (2.0) or better in order to graduate.
- All College of Business Administration students are expected to have access to late model computers and the software needed to complete class assignments. This requirement is especially important for MIS majors. Contact a department advisor for the current expectations.
- Students are cautioned to study the course prerequisite structure and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
- Lower division courses may not be taken for upper division credit in the major.
- Students must earn at least a 2.0 GPA in the major and COB.
- 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.

5. Required Courses (20 hrs)

- ISM 3253 MIS Techniques 4 hrs
- ISM 4113 Information Systems Analysis & Design 3 hrs
- ISM 4212C Database Management Systems 4 hrs
- ISM 4220 Distributed Information Systems 3 hrs
- ISM 4290 Information Technology Management 3 hrs
- ISM 4400 Decision Support Systems 3 hrs

Plus two of the following: (6 hrs)

Any 3000 or 4000 level ISM prefix 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. 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 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.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 INFORMATION SYSTEMS MAJORS

Freshman

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<td>SCI 1009*</td>
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<td>Must complete nine hours in a summer semester</td>
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<tr>
<td>Psy/Soc/Ant</td>
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<tr>
<td><strong>Elective</strong></td>
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</tr>
<tr>
<td>Must complete nine hours in a summer semester</td>
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Junior

<table>
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<tr>
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<tbody>
<tr>
<td>GEB 3013</td>
<td>GEB 3014</td>
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<tr>
<td>ISM 3011C</td>
<td>ISM 3012</td>
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<td>GEB 3375</td>
<td>GEB 3411</td>
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Senior

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<td>BUL 3130</td>
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<tr>
<td>ISM 4113</td>
<td><strong>General electives as required to reach 120 semester hours.</strong></td>
</tr>
</tbody>
</table>

MARKETING (B.S.B.A.) – GENERAL PROGRAM

College of Business Administration

BAZ 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 (36 hrs)
   A. Communication Foundations
      Preferred: SPC 1608
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus
   D. Social Foundations
      Select ECO 2013 Macroeconomics or
         ECO 2023 Microeconomics
      Select one: PSY 2012, SYG 2000, ANT 2000
   E. Science Foundation
      Select: PHY 2044, CHE 1111

2. Core Classes (18-21 hrs)
   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
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance
   MAN 3025 Management of Organizations
   ISM 3011C Essentials of Management
   MAR 3203 Marketing

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)
   GEB 3375 Introduction to International Business
   BUL 3130 Legal & Ethical Environments of Business
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance
   MAN 3025 Management of Organizations
   ISM 3011C Essentials of Management
   MAR 3203 Marketing
   Last Semester:
   MAN 4720 Strategic Management

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 prerequisites class.
   - Students wanting to major in Marketing 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.
   - 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.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   MAR 3391 Professional Selling
   MAR 3503 Consumer Behavior
   MAR 3613 Marketing Analysis and Research
   MAR 3641 Marketing Intelligence
   MAR 4803 Marketing Management
   MAR 4804 Marketing Strategy

6. Restricted Electives - General Marketing
   Minimum of 2 courses required:
   MAR 3323 Integrated Marketing Communication
   MAR 3403 Sales Force Management
   MAR 3721 E-Marketing
   *MAR 4156 International Marketing

7. Restricted Electives-Sales Track* (9 hrs)
   Students must take:
   MAR 3403 Sales Management
   MAR 4415C Advanced Professional Selling
   MAR 4413C Strategic Issues in Sales

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

UCF Degree Programs

Students may adopt the most current 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.

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.
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

Equipment Fee
- Full-time Student ........................................... $30 per term
- Part-time Student ........................................... $15 per term

FOUR YEAR PLAN OF STUDY – GENERAL MARKETING
Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cull-Hist II* 3 Cull-Hist II* 3
SPC 1603 3 Art/Music/Lit 3
***Elective 3 MAC 1105* 3
***Elective 3 CJS 2100C 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2031* 3
ACG 2021* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 **Music 3
***Elective 3 ECO 3401* 3
**C (2.0) or better grade required in each class

Junior
1st Term 16 hrs 2nd Term 17 hrs
ECO 3411 4 MAR 3391 3
GEB 3011 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
MAR 3613 3

Senior
1st Term 17 hrs 2nd Term 15 hrs
MAR 4803 3 MAN 4720 4
MAR Elective 3 MAR 4804 3
MAR Elective 3 MAR 4803 3
MAR 3613 3

General electives as required to reach 120 semester hours.

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK
Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cull-Hist II* 3 Cull-Hist II* 3
SPC 1603 3 Art/Music/Lit 3
MAP 2302* 3 ***Elective 3
***Elective 3 CJS 2100C 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2031* 3
ACG 2021* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 **Music 3
***Elective 3 ECO 3401* 3
**C (2.0) or better grade required in each class

Junior
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3011 4 MAR 3403 3
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
MAR 3613 3

Senior
1st Term 17 hrs 2nd Term 17 hrs
MAR 4803 3 MAN 4720 4
MAR 4415C 3 MAR 4804 3
MAR 3025 4 BUL 3130 4
ISM 3011C 4 MAR 4413C 3
MAR 3641 3 GE Non-Business Elective 3

General electives as required to reach 120 semester hours.

MATHEMATICS - APPLIED 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 Math Department.
- Co-op or internship credit cannot be used in this major.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Courses designated in (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 3530C
         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)
   *See Transfer Notes for possible substitutes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   3. Core requirements
      (48 hrs)
      One course selected from
      3 hrs
      ENC 3241 Writing for Tech Professional
      ENC 3310 Magazine Writing I
      ENC 3311 Advanced Expository Writing
      STA 2023 Statistical Methods I
      MHP 3302 Logic and Proof in Mathematics
      MAP 2302 Differential Equations
      MAS 3105 Matrix & Linear Algebra
      MAS 3106 Linear Algebra
      Select one course
      3-4 hrs
      MAD 4203 Applied Combinatorics
      MAP 4153 Vector and Tensor Analysis
      MAP 4307 Appl of Complex Variables
      MAP 4362 Appl Boundary Value Prob I
      STA 4321 Statistical Theory I
      MAP 4364 Appl Boundary Value Prob II
      COP 3530C Computer Science I
      STA 4322 Statistical Theory II
      MAA 4206 Advanced Calculus I
      COT 4500 Numerical Calculus
      MAP 4103 Mathematical Modeling I
      3 hrs
4. Restricted Electives (6 hrs)

a. Applied Elective
   Select from COT 4210, COT 4400, COT 5107, COT 5510, EGN 3310, EGN 3321, EGN 3343, EGN 3373, STA 4102, STA 5103, STA 4641
   3 hrs

b. Biological or physical sciences Elective
   3 hrs

Note: Students must satisfy course prerequisites before enrolling

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 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: Applied Math, Computer Science, Engineering, Math Education, Statistics

Related Minors: Applied Computer Science, 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 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.oear.ucf.edu/aal/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/

UCF Degree Programs

MATHMATICS - COMPUTATIONAL 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: math@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, and MAP 2302H.

Admission Requirements

- 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
   (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
   4 hrs
   PHY 2049*&L Physics for Sci & Eng II
   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  GEP
- PHY 2048&L Physics for Sci & Eng I w/lab  GEP
- PHY 2049&L Physics for Sci & Eng II w/lab  GEP
- STA 2023 Statistical Methods I  3 hrs
- MAP 2302 Differential Equations  3 hrs

4. Advanced Core Requirements (42 hrs)

- Select one course
  - MHH 3302 Logic and Proof in Mathematics  3 hrs
  - COP 3100C Intro to Discrete Structures  3 hrs
  - ENC 3341 Writing for the Tech Professional  3 hrs
  - MAC 3106 Linear Algebra  4 hrs
  - MAD 4203 Applied Combinatorics  3 hrs
  - MAP 4307 Appl of Complex Variables  3 hrs
  - MAP 4363 Appl Boundary Value Prob I  3 hrs
  - STA 4322 Statistical Theory I  3 hrs
  - MAP 4364 Appl Boundary Value Prob II  3 hrs
  - COP 3503C Computer Science II  4 hrs
  - STA 4323 Statistical Theory II  3 hrs
  - MAA 4226 Advanced Calculus I  4 hrs
  - COP 3402C Computer Architecture  3 hrs

5. Restricted Electives (18 hrs)

- Select six upper division courses
  - COP 3402 Systems Software  3 hrs
  - COP 4331C Proc. For O0 Software Dev  3 hrs
  - EEL 4768C Computer Architecture  3 hrs
  - COP 4020 Programming Languages I  3 hrs
  - COP 4600 Operating Systems  3 hrs
  - COP 4103 Discrete Computational Structures II or any MAA, MAD, MAP, MAT, or MTG upper division courses  3 hrs

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 satisfied.

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
- 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

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.oews.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)

(Not: 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  GEP
- 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 GEP
- PHY 2048&L Physics for Sci & Eng I w/lab  GEP
- PHY 2049&L Physics for Sci & Eng II w/lab  GEP
- MAP 2302 Differential Equations  3 hrs
- Select one course
  - STA 3032 Prob. & Stats for Engineers  3 hrs
  - STA 2023 Statistical Methods I

4. Advanced Core Requirements (53 hrs)

- Select one course
  - MHH 3302 Logic and Proof in Mathematics
  - COP 3100C Intro to Discrete Structures
Select one course 3 hrs
MAP 4103  Mathematical Modeling I
EML 3034C  Modeling Meth in Mech. & Aero Eng
PHZ 3113  Computer Methods in Physics
MAP 4153  Vector and Tensor Analysis 3 hrs
MAP 4307  Appl of Complex Variables 3 hrs
MAP 4363  Appl Boundary Value Prob I 3 hrs
MAP 4364  Appl Boundary Value Prob II 3 hrs
MAT 4226  Advanced Calculus I 4 hrs
EGN 3321  Engineering Analysis - Dynamics 3 hrs
Select one course 3 hrs
EGR 3420  Engineering Analysis
COT 4500  Numerical Calculus
Select one course 3-4 hrs
MAS 3106  Linear Algebra
MAD 4203  Applied Combinatorics
Select one course 3 hrs
EGN 3310  Engineering Analysis - Statics
PHY 3220  Mechanics I
Select one course 3 hrs
EGN 3373  Principles of Electrical Engineering
PHY 3101  Physics for Eng & Sci III
Select one course 3 hrs
CHM 2046  Chemistry Fundamentals II
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
Select one course 3 hrs
EGN 3308  Thermo-Fluids-Heat Transfer
PHY 3513  Thermal & Statistical Physics
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
Select one course 3 hrs
EML 3701  Fluid Mechanics
CWR 3201  Engineering Fluid Mechanics
PHY 3101  Physics for Eng & Sci III
(PHY 3101 may be selected only if EGN3373 is also taken)
ESI 4628C  Industrial Engr Applications of Computers
PHZ 3113  Intro to Theoretical Methods of Physics
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
Select one course 3 hrs
EGN 3331  Mechanics of Materials
CHM 2046  Chemistry Fundamentals II
ESI 4312  Operations Research
EGM 3601  Solid Mechanics
EML 4220  Vibration Analysis
EEL 3004  Electrical Networks
PHY 4604  Wave Mechanics I
or any MAA, MAD, MAP, or MAS course at 3000 level or above
Select one course 3 hrs
CES 4100C  Structural Analysis I
EGN 3331  Mechanics of Materials
EIN 3000  Intro. to Indus. Eng. & Mngmt Sys
EAS 3101  Fundamentals of Aerodynamics
EGM 3601  Solid Mechanics
EEL 3004  Electrical Networks
or any PHY, PHZ, AST, MAA, MAD, MAP, or MAS course at 3000 level or above

5. Restricted Electives (6 hrs)
Select two courses
STA 4321  Statistical Theory I 3 hrs
STA 4322  Statistical Theory II 3 hrs
PHY 3323  Electricity & Magnetism I 3 hrs
PHY 4324  Electricity & Magnetism II 3 hrs
EGN 3365  Structure & Property of Materials 3 hrs
EGN 3613  Engineering Economic Analysis 2 hrs
EEE 3322C  Intro. to Digital Circuits and Systems 3 hrs
EEL 3801  Intro. to Computer Engineering 3 hrs
EEL 3657  Linear Control Systems 3 hrs
EML 4142  Heat Transfer 3 hrs
EML 4321C  Feedback Control 3 hrs
EML 3262  Kinematics of Mechanisms 3 hrs
EAS 4030  Flight Structures 3 hrs
EAS 4400  Spacecraft Attitude Dynamics 3 hrs
EAS 4505  Orbital Mechanics 3 hrs
EAS 4105  Flight Mechanics 3 hrs
EML 4703  Fluid Mechanics II 3 hrs
EMA 4223  Fund. of Mechanical Behavior of Materials 3 hrs
CWR 4203C  Hydraulics 3 hrs
CWR 4101C  Hydrology 3 hrs
ENV 4561  Environmental Eng - Process Design 3 hrs
ESI 4234  Quality Engineering 3 hrs
ESI 4523C  Systems Simulation 3 hrs
EIN 4333C  Industrial Control Systems 3 hrs
EEL 3470  Electromagnetic Fields 3 hrs
EEL 3552C  Analog & Digital Communication Fund. 4 hrs
EEL 4750  Digital Signal Processing Fund. 3 hrs

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 EGN 3420 or COP 3502C.
- Before applying to graduate, the CLAST must be completely satisfied.

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 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 whenever 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
Related Minors: Applied Computer Science, 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 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.oes.ucf.edu/alc/academic_learning_compacts.htm

MATHEMATICS - MATHEMATICAL ECONOMICS 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 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.
UCF Degree Programs

Admission 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 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.

1. UCF General Education Program (36+2 hrs)

A. Communication Foundations
- 9 hrs

B. Cultural and Historical Foundations
- 9 hrs

C. Mathematical Foundations
- Select one:
  - MAC 2311 Calculus I
  - MAC 2312 Calculus with Analytic Geo I
  - MAC 2313 Calculus with Analytic Geo II
  - MAP 2302 Differential Equations

D. Social Foundations
- Select one:
  - ECO 2013 Macroeconomics
  - STA 4322 Statistical Theory II
  - ECO 2023 Microeconomics

E. Science Foundations
- PHY 2048 & L, CHM 2045C
- STA 2023 Statistical Methods I
- Select a listed course from the Science group not completed

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
- MAP 2302: Differential Equations
- STA 2023: Statistical Methods I
- Select a listed course from the Science group not completed

3. Basic Core Requirements (25 hrs)

- ECO 2013: Principles of Microeconomics
- ECO 2023: Principles of Microeconomics
- MAC 3302: Logic and Proof in Mathematics
- MAC 2313: Calculus with Analytic Geo II
- STA 4321: Statistical Theory I
- ECO 3101: Intermediate Microeconomics
- ECO 3203: Intermediate Macroeconomics
- ECO 4451: Research Methods in Economics
- STA 2023: Statistical Methods I

4. Advanced Core Requirements (17 hrs)

- MAA 4226: Advanced Calculus I
- MAS 3106: 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)

- Numerical Calculus
- Applied Combinatorics
- Applied Boundary Value Problems I
- Probability, Random Func & App I
- Applications of Complex Variables

Area 2 (3 courses)

- International Trade
- International Macroeconomics
- Public Economics
- Industrial Organization & Game Theory
- Environ. & Natural Res. Economics
- 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.oas.ucf.edu/alc/academic_learning_compacts.html](http://www.oas.ucf.edu/alc/academic_learning_compacts.html)

Freshman

1st Term
- 16 hrs
- ENC 1101* Composition I
- MAC 2311 Calculus with Analytic Geo I
- STA 4321 Statistical Theory I
- COP 3223* Intro to Programming
- COP 3223*: may use any programming language course with a COP prefix.

2nd Term
- 16 hrs
- MAC 2312 Calculus with Analytic Geo II
- STA 4321 Statistical Theory I
- COP 3223* Intro to Programming
- COP 3223*: may use any programming language course with a COP prefix.

Sophomore

1st Term
- 15 hrs
- ECO 2013 Principles of Microeconomics
- PH 2048 Physics
- MAC 2313 Calculus III
- MAS 3105 Matrix and Lin Algebra
- ECO 2013 Principles of Microeconomics

2nd Term
- 16 hrs
- ECO 2013 Principles of Microeconomics
- MAP 2302 Differential Equations
- MAC 2313 Calculus III
- MAS 3105 Matrix and Lin Algebra
- ECO 2013 Principles of Microeconomics

Junior

1st Term
- 15 hrs
- MAA 4226 Advanced Calculus I
- MAC 2311 Calculus with Analytic Geo I
- STA 4321 Statistical Theory I
- ECO 4451 Research Methods in Economics

2nd Term
- 15 hrs
- MAA 4226 Advanced Calculus I
- MAC 2311 Calculus with Analytic Geo I
- STA 4321 Statistical Theory I
- ECO 4451 Research Methods in Economics

Senior

1st Term
- 15 hrs
- ECO 4412 Econometrics
- MAA 4226 Advanced Calculus I
- ECO 4412 Econometrics

2nd Term
- 15 hrs
- ECO 4412 Econometrics
- MAA 4226 Advanced Calculus I
- ECO 4412 Econometrics
### UCF General Education Program

**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.

**Core requirements**

- Select MAC 2311     4 hrs
- Select PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3233, PHY 4424 (variable)

**Electives**

- (variable)

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### 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)

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

**3. Core requirements**  
(48 hrs)

**4. Restricted Electives**  
(3 hrs)

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### 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 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.oecs.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**
  - ANU 1000 + reg# 1D2-GEF
  - MAA 1201
  - STA 3012

- **Spring**
  - MAA 1202
  - STA 3022

**Sophomore Year**

- **Fall**
  - COM 1001
  - PHY 2048 L PHY 2049

- **Spring**
  - PHY 2048L PHY L Eng Sci I

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**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

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**Related Programs:** Statistics, Applied Math, Computer Science, Engineering, Math Education

**Related Minors:** Computer Science, Engineering, Math, Physics, Statistics

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

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**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

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**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/
Mathematics Education (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

http://education.ucf.edu/mathed

Program Coordinators: Dr. Janet Andreassen, ED 123Q, 407-823-5460, E-mail: jandreas@mail.ucf.edu; Dr. Erhan Haciomeroglu, ED 115L, 407-823-4326, 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)

<table>
<thead>
<tr>
<th>A. Communication Foundation</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ENC 1101 English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. ENC 1102 English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Prefer: ENC 2022 Speech Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Cultural-Historical Foundation</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Prefer: PHI 2010 World Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Prefer: AMH 2020 U.S. History 1877-present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Mathematical Foundation</th>
<th>7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2. Select: STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. Social Foundation</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Prefer: PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Science Foundation</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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: All courses count toward a total of 36 hours. Courses designed for Mathematics Education are designated in the course listing with an E prefix.

3. Other Program Requirements (14 hrs)

| EDF 2130* Child & Adolescent Development for Educators | 3 hrs |
| MAC 2311 Calculus with Analytic Geometry I | GEP |
| STA 2023 Statistical Methods 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 |

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)

| EDG 4410 Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| EDF 4503 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESL | 3 hrs |
| EEX 4242 Teaching Exceptional Students in Sec Settings | 3 hrs |
| RED 4043 Content Reading Kindergarten thru Grade 12 | 3 hrs |

Note: Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required mathematics courses including MAC 3405 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.

Prior passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Prior 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 thru Grade 12, and TSL 4080 Theory and Practice of Teaching ESL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

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 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 Projects 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.
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 residence at UCF
- 25% of course work must be completed in residence at UCF
- Complete the General Education Program, the Program, 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/aic/academic_learning_compacts.htm

12. Recommended Four-Year Sequence of Courses

Freshman Year
Fall 13 hrs
EDF 2085 Intro to Diversity for Ed 3
ENC 1101 English Composition I 3
MAC 2311 Calculus with Analytic Geo I 4
PSC 1121 Physical Science 3
AMH 1420 U.S. History 3

Spring 16 hrs
ENG 2106 English Composition II 3
MAC 2312 Calculus with Analytic Geo II 4
AMS 1055 The Human Species 3
SBC 1005 Biological Principles 3
SPC 1608 Fund of Oral Comm 3

Senior Year
Fall 13 hrs
EDF 2085 Intro to the Teaching Prof 3
MAC 2313 Calculus with Analytic Geo III 4
PHI 2106 Intro to Philosophy 3

Sophomore Year
Fall 15 hrs
MAP 2302 Differential Equations 3
MTH 3302 Logic & Proof in Math 3
PSY 2126 General Psychology 3
MOS 2014 American National Gov 3
STA 2023 Statistical Methods I 3
EDF 2103* Child and Adolescence Educ 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 13 hrs
EDF 4467 Learn Theory & Assessment 3
EDG 4410 Teach Strat & Class Mgmt 3
EEX 4242 Teach Ex Stud in Sec Setting 3
MTG 4221 Modern Geometry 3

Spring 12 hrs
RED 4043 Content Read K-12 3
MTH 4634 Prog in Teach Math 3
MOS 2035 Intro to Number Theory 3
EDF 2103* Child and Adolescence Educ 3

Senior Year
Fall 13 hrs
MAE 3940 Internship I 3
EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
MHI 4404 History of Math 3
MTH 4306 Math Instruct Analysis 4

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

E-mail: willasar@mail.ucf.edu
http://www.mmae.ucf.edu
ENGR 307, 407-823-2416; Fax: 407-823-0208
Department,
Mechanical, Materials & Aerospace Engineering

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:

1. UCF General Education Program for 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. to 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
2. ARH 2050, ARH 2051, MUL 2010, MUL 2020, THE 2000, REL 1000, REL 2300, PHI 2101, Lit 2110, or Lit 2120

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 1011 or ECO 2023.

E. Science Foundations
7 hrs
1. Select PHY 2048/48L (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 MMAE major courses, a 2.0 (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/45S, will substitute) 4 hrs
MAC 2311* Calculus with Analytic Geometry I GEP
MAC 2312* Calculus with Analytic Geometry II 4 hrs
MAC 3313* Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L* Physics for Engineers & Scientists I GEP
PHY 2048/48L* Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
Humor Courses GEP
Social Science Courses GEP
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 3355 Structure & Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP
MTL 3034C Modeling Methods in MMAE 3 hrs
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
EGN 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. The program must be taken in sequence during the 3rd and 4th year.

EML 3990 Mechanical Career/Academic Advisement I 0 hr
EML 4990 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 4304C  Thermo-fluids Measurements  2 hrs
EML 3262  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

2. Students should consult the MMAE Web site (http://www.mmae.ucf.edu) or 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.

3. EGN 1006C Intro to Eng Prof

4. Approved Electives

5. CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. 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.

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: 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.oeas.ucf.edu/aalc/academic_learning_compacts.htm

Equipment Fee

Full-time Student: $90 per term
Part-time Student: $45 per term

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 with 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.

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 Spring  15 hrs 1
EGN 1006C Intro to Eng Prof  1 EGN 1007C Eng Conc & Meth  1
*ENC 1110 English Comp I  3 *ENC 1112 English Comp II  3
*CHS 1440 Chem Eng  4 *MAC 2312 Calc II  4
or CHM 2045C w/labs  3 *SPC 1603 Oral Comm for Eng  3
*MAC 2311 Calc I  4 *PHY 2048 Phys Eng I w/lab  4
*ECO 2013 or 2023 Macro or Micro  3
Summer  10 hrs 1, 3
*MAC 2313 Calc III  4
*Social Foundations  3
*Historical Foundations  3

SECOND YEAR

Fall  13 hrs 1 Spring  12 hrs
STA 3032 Prob & Stats/Engrs  3 EGN 3310 Engr Anal-Statics  3
*MAP 2302 Diff Equations  3 EGN 3330 Thermodynamics  3
EGN 3310 Engr Anal-Statics  3 EGN 3601 Solid Mechanics  3
*PHY 2049 Phys Eng II w/lab  4 EGN 3373 Prin of Elec Eng  3
Summer  10 hrs 1
EGN 3365 Structr & Prop Mats  3
*Social Foundations  3
*Historical Foundations  3

THIRD YEAR

Fall  15 hrs 1 Spring  12 hrs
EML 3500 Machine Design  3 EML 4220 Vibration Analysis  3
EML 3701 Fluid Mechanics I  3 Approved Technical Elective  3
EML 3034C Modeling Methods  3 EML 4142 Heat Transfer  3
EML 3303C Mech Engr Meas  3 EML 4535C CAD/CAM  3
EML 3990 Career/Acad Advise I  0 *Science Foundations  2
*Science Foundations  2

FOURTH YEAR

I. ENERGY SYSTEMS OPTION

Fall  14 hrs 2 Spring  13 hrs 2
EML 3101 Thermo Mech Sys  3 EML 4502C Eng 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
or EGN 4412C Inter Design I  3 Approved Elective  3
EML 4312C Feedback Control  3 Approved Elective  3
EML 4221C Exp. Tech in Mech Sys  3 EML 4145 Topics in Heat Transfer  2
EGN 4991 Career/Acad Advise II  0

II. MECHANICAL SYSTEMS OPTION

Fall  14 hrs 2 Spring  13 hrs 2
EML 3262 Kinem Mechnsms  3 EML 4502C Eng Design II  3
EML 4501C Eng Design I  3 or EGN 4413C Inter Design II  3
or EGN 4412C Inter Design I  3 Approved Elective  3
EML 4312C Feedback Control  3 Approved Elective  3
EML 4221C Exp. Tech in Mech Sys  3 EML 4145 Topics in Heat Transfer  2
Approved Elective  3
EGN 4991 Career/Acad Advise II  0

III. MATERIALS OPTION

Fall  15 hrs 2 Spring  12 hrs 2
EML 4102 Thermo & Kinetics of Mtls  3 EML 4502C Eng Design II  3
EML 4501C Eng Design I  3 or EGN 4413C Inter Design II  3
or EGN 4412C Inter Design I  3 Approved Elective  3
EML 3124 Design & Select of Mtls  3 EML 4223 Fund of Mech Beh Mtlr  3
EML 4312C Feedback Control  3 Approved Elective  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 with 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.
**Accomplished 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.

**Molecular Biology and Microbiology, Biology, Chemistry, and Health Sciences**

**MEDICAL LABORATORY SCIENCES (B.S.)**

**College of Medicine**

**Barnett 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 be made directly to the program 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.
  - Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
  - This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Florida Department of Health Board of Clinical Lab Personnel trainees license are required.

**1. UCF General Education Program**

- A. Communication Foundations 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
  - Select MAC 1115
  - Select STA 2023
- D. Social Foundations 6 hrs
- E. Science Foundations
  - Select BSC 2010C 4 hrs
  - Select CHM 2045C 4 hrs

**2. Common Program Prerequisites**

- BSC 2010C General Biology and lab GEP
- CHM 2045C, 2046 Chemistry Fundamentals I & II w/labs GEP, 4 hrs
- STA 2023 Statistical Methods I GEP
- ZOO 3733C Human Anatomy and Lab* 4 hrs
- CHM 2210, 2211 Organic Chemistry I & II w/labs 8 hrs
- MCB 3020C General Microbiology* 5 hrs
- PCB 3703C Human Physiology and Lab* 4 hrs

*See Transfer Notes

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

**3. Core Requirements**

- (63 hrs)
  - MLS 3220C Clinical Microscopy with lab 3 hrs
  - MLS 4625 Advanced Clinical Chemistry I / lab 3/1 hrs
  - MLS 4630 Advanced Clinical Chemistry II 3 hrs
  - PCB 3233 Immunology with Lab 3/1 hrs
  - MLS 4430C Clinical Parasitology 2 hrs
  - MLS 3305 Hematology with Lab 3/1 hrs
  - MLS 4505C Immunodiagnostics 3 hrs
  - MLS 4910 Intro to Clinical Research 1 hr
  - MLS 4550 Clinical Immunohematology 4 hrs
  - MLS 4460C Clinical Pathogenic Microbiology 5 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4933 Medical Technology Seminar 2 hrs
  - MLS 3705 Concepts in Education/Management 3 hrs
  - MLS 4830C Interpretive & Practical Clinical Chem 4 hrs
  - MLS 4831C Interpretive & Practical Immunohematology 4 hrs
  - MLS 4832C Interpretive & Practical Hematology 4 hrs
  - MLS 4833C Diagnostic Microbiology 4 hrs
  - CGS 1060C Computer Fundamentals for Business 3 hrs
  - BSC 3403C Quantitative Biological Methods 4 hrs

**4. Upper Division Restricted Electives**

- none

**5. Departmental Exit Requirements**

- (126 hrs)
  - A maximum of 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**

- 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:

**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 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

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**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 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 it is important for your academic career that you proceed accordingly.

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**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.

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**Limited Access 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.
UCF Degree Programs

Transfer Notes:

Community College Equivalencies
- Human Anatomy and Physiology I & II (BSC 2093C and 2094C) 8 hrs
- General Microbiology/Lab (MCB 2010C) 4 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
- ENC 1101 3
- MAC 1105 4
- SPC 100S 3
- CHM 2045C 4
- CGS 1060C 3

Spring 17 hrs
- ENC 1102 3
- MAC 2023 3
- SPC 100C 3
- CHM 2046L 1
- CGS 1060C 3

Sophomore Year

Fall 16 hrs
- POS 2041 or ECO 2013 3
- CHM 2210 3
- ZOO 3733C 4
- EUH 2000 or HUM 2210 3
- or AMH 3010 3
- or REL 2300 or PHI 2010 3

Spring 17 hrs
- CHM 2211L 3
- CHM 3020C 4
- PCB 3703C 4
- EUH 2001L or HUM 2230 3
- or AMH 2020 3

Junior Year

Fall 13 hrs
- MLS 3220C 3
- MLS 3350/L 3/1
- PCB 3233/L 3/1
- MLS 4430C 2

Summer 7 hrs
- MLS 4334 3
- MLS 4550 4

Senior Year

Fall 16 hrs
- MLS 4830C 4
- MLS 4913C 4
- MLS 4832C 4
- MLS 4833C 4

Spring 13 hrs
- MLS 4910 2
- MLS 4950C 3
- MLS 4933 1
- MLS 3705 3
- BSC 3403C 4

MODERN LANGUAGE COMBINATION (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literature, CNH 523
http://mll.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Admission 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
  - 9 hrs
  - B. Cultural and Historical Foundations
  - 9 hrs
  - C. Mathematical Foundations
  - 3 hrs
    - Select MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)
    - Prefer CGS 1060C Intro to Computer Sci or STA 1060C Statistics Using Excel
  - D. Social Foundations
  - 6 hrs
  - E. Science Foundations
  - 6 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)
    - 3 hrs
    - SPN 3420* Spanish Composition
    - FRE 3420* French Composition
    - GER 3420* German Composition
  - b. Oral Communication (select one)
    - 3 hrs
    - SPN 3760* Adv Spanish Oral Communication
    - FRE 3760* Adv French Oral Communication
    - GER 3760* Adv German Oral Communication
  - * A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.
  - c. Literature (select one sequence)
    - 6 hrs
    - SPW 3100 & 3101 Survey of Spanish Literature
    - SPW 3130 & 3131 Survey of Latin American Literature
    - FRW 3100 & 3101 Survey of French Literature
    - GEW 3100 & 3101 Survey of German Literature
  - d. Linguistics (select one)
    - 3 hrs
    - FRL 3780 French Phonetics and Diction
    - FOL 3730 Romance Philology
    - GER 3780 German Phonetics and Diction
    - SPN 4801 Spanish Morphosyntax
    - SPN 4800 Spanish American Syntax
    - SPN 4780 Spanish Phonetics
  - 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)
    - 3 hrs
    - SPN 3420 , FRE 3420, GER 3420, ITA 3420
  - b. Advanced Oral Communication (select one)
    - 3 hrs
    - SPN 3760, FRE 3760, GER 3760, or ITA 3760
  - c. Restricted Electives in the second language (chosen with departmental advisor)
    - 9 hrs

214 UNIVERSITY OF CENTRAL FLORIDA

UNIVERSITY OF CENTRAL FLORIDA
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 - 3hrs)
(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
Select SPC 1063 Tech Presentations
3 hrs
B. Cultural Historical Foundations
Select HUM 2110, HUM 2112, HUM 2114, HUM 2116, HUM 2117, HUM 2118
9 hrs
C. Mathematical Foundations
Select MAC 2311 or MAC 2233
3-4 hrs
Select STA 2023 or CGS 1060C
3 hrs
D. Social Foundations
Select HUM 2110, HUM 2112, HUM 2114, HUM 2116, HUM 2117, HUM 2118
6 hrs
E. Science Foundations
Select BSC 2101C
4 hrs
Select CHM 2045C
4 hrs

2. Common Program Prerequisites
(16 hrs)
MAC 2311 or MAC 2233
GEP
MAC 2211L
GEP
MAC 2311 or MAC 2233
GEP
MAC 2311 or MAC 2233
GEP
MAC 2233
GEP

3. Core Requirements
(33 hrs)
MCB 3002C
General Microbiology
5 hrs
MCB 4114
Metabolic Biochemistry
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

Chemistry
BCH 4053
Biochemistry I
3 hrs

Physics
PHY 2053C, 2054C College Physics I, II
8 hrs
or
PHY 2048, 2049 Physics for Scientists and Engineers I, II

Math, Statistics, Computer
MAC 2111 or MAC 2253
GEP
STA 2023 or CGS 1060C
GEP

4. Upper Division Restricted Elective
(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 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
BCH 443C
General Microbiology
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 Diagnosis
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

Suggested Plan of Study:
One of many 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.

Suggested Plan of Study:
http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm

Related Minors:
- French
- Spanish
- American Area Studies
- German
- Italian
- Judaic Studies
- Latin
- Greek

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:
- French, Spanish
- American Area Studies
- German
- Italian
- Judaic Studies
- Latin
- Greek

Transfer Note:
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.
**UCF Degree Programs**

**Related Programs:** Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

**Related Minors:** Biology, Chemistry

**Total Semester Hours Required**

- 120 hrs

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**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
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

**Holidays 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.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
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<tr>
<td>PHY 2049*, 2049L</td>
<td>4</td>
</tr>
<tr>
<td>or SPC 1608</td>
<td>3</td>
</tr>
</tbody>
</table>

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2046</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 2000</td>
<td>3</td>
</tr>
<tr>
<td>or SPC 1608</td>
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<tr>
<td>or HUM 2120</td>
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**Sophomore Year**

**Fall**

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<tr>
<td>or PHY 2049*, 2049L</td>
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<td>or HUM 2230</td>
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**Spring**

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<td>PHY 2056</td>
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<tr>
<td>or PHY 2049*, 2049L</td>
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<tr>
<td>or SPC 1608</td>
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<td>or HUM 2230</td>
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**Junior Year**

**Fall**

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**Spring**

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**Senior Year**

**Fall**

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**Spring**

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<tr>
<td>or MCB 4414</td>
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</table>
MOLECULAR BIOLOGY AND MICROBIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA 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 admissio
requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

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
- Prefer SPC 1003 Tech Presentations
B. Cultural Historical Foundations
- 3 hrs
C. Mathematical Foundations
- 3-4 hrs
D. Social Foundations
- 6 hrs
E. Science Foundations
Select BSC 2010C
Select CHM 2045C

2. Common Program Prerequisites (16 hrs)

BSC 2010C* Biology I
BSC 2011C* Biology II
CHM 2045C**, 2046, General Chemistry I, II, + Lab
CHM 2210, 2211, Organic Chemistry I, II, + Lab
MAC 2311 Calculus with Analytical Geometry I

*See Transfer Notes for possible substitutes

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

3. Core Requirements (35 hrs)

Life Sciences
MCS 3020C General Microbiology
MCS 414 Microbial Metabolism
PCB 4239, 3233L Molecular Immunology + Immunology Lab
PCB 3522, 4524 Molecular Biology I, II
BSC 3403C Quantitative Biological Methods
SLS 2311C Selected Medical Careers

Chemistry
BCH 4053 Biochemistry I

Physics
PHY 2053C, 2054C College Physics I, II

Math, Statistics, Computer
MAC 2311 or MAC 2233
STA 2023 or CGS 1060C

*May be substituted by BSC 3403C
**Of CHM 2040C, 2041C

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
- MCB 3202 Principles of Infectious Diseases
- MCB 3303, 3203L Pathogenic Microbiology + Lab
- MCB 3404 Bacterial Genetics and Physiology
- MCB 4203 Infectious Process
- MCB 4276 Epidemiology of Infectious Diseases
- MCB 4312 Molecular Biotechnology
- MCB 4503C Virology
- MCB 4970H Honors Thesis
- MCB 5225 Molecular Biology of Disease
- MLS 3305 Hematology
- MLS 4343 Hemostasis
- MLS 4430C Clinical Parasitology
- MLS 4505C Immunodiagnostics
- PCB 3063 Genetics
- PCB 3703C Human Physiology
- PCB 4026 Molecular and Cellular Pharmacology
- PCB 4235 Cancer Biology
- PCB 4514 Genetics II
- PCB 4805 Endocrinology
- PCB 5238 Immunobiology
- ZOO 3701C Human Gross Anatomy
- ZOO 3733C Human Anatomy
- ZOO 3744 Neurobiology
- ZOO 4603C Vertebrate Embryology
- ZOO 4805 Human Clinical Embryology
- ZOO 4704C Clinical Neuroanatomy & Neuroscience
- ZOO 4753C Vertebrate Histology
- ZOO 4747C Clinical Neuroscience

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 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: 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. 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.
**UCF 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.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.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
  - PSY 2012 or SYG 2000 3
  - or ANT 2000 3
  - CHM 2045C 4
  - MAC 1105 or elective 3

- Fall 14/15 hrs  Spring 15 hrs
  - CHM 2210 3
  - MCB 2020C 5
  - MAC 2311* or MAC 2253 4/3
  - EUH 2000 or AMH 2010 3
  - or WOH 2012 or HUM 2210 3

**Sophomore Year**
- Fall 14/15 hrs  Spring 15 hrs
  - ENC 1102 3
  - SLS 2311C 2
  - CHM 2046 3
  - or CHM 2046L 3
  - MAC 1114 or elective 4
  - or MAC 2253 2

**Junior Year**
- Fall 17 hrs  Spring 16 hrs
  - PCB 3522 3
  - Restricted Elective 3
  - PHY 2053C or PHY 2049*, 2048L 4
  - or PHY 2054C 4
  - or PHY 2049*, 2049L 4
  - BSC 2011C** 4

**Senior Year**
- Fall 15/16 hrs  Spring 12/16 hrs
  - BCH 4053 3
  - Restricted Elective 3
  - Restricted Elective 3
  - Elective 3/4

**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](http://www.o eas.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
  - PSY 2012 or SYG 2000 3
  - or ANT 2000 3
  - CHM 2045C 4
  - MAC 1105 or elective 3

- Fall 14/15 hrs  Spring 15 hrs
  - CHM 2210 3
  - MCB 2020C 5
  - MAC 2311* or MAC 2253 4/3
  - EUH 2000 or AMH 2010 3
  - or WOH 2012 or HUM 2210 3

**Sophomore Year**
- Fall 14/15 hrs  Spring 15 hrs
  - ENC 1102 3
  - SLS 2311C 2
  - CHM 2046 3
  - or CHM 2046L 3
  - MAC 1114 or elective 4
  - or MAC 2253 2

**Junior Year**
- Fall 17 hrs  Spring 16 hrs
  - PCB 3522 3
  - Restricted Elective 3
  - PHY 2053C or PHY 2049*, 2048L 4
  - or PHY 2054C 4
  - or PHY 2049*, 2049L 4
  - BSC 2011C** 4
  - or SPC 1608 3

**Senior Year**
- Fall 15/16 hrs  Spring 12/16 hrs
  - BCH 4053 3
  - Restricted Elective 3
  - Restricted Elective 3
  - Elective 3/4

**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**
**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](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 9 hrs
     - Select ENC 1101 and ENC 1102
   - B. Cultural and Historical Foundations 3 hrs
     - Select one course from 1.B.1 list
   - C. Mathematical Foundations 3 hrs
     - Prefer MGF 1106 Finite Mathematics or MGF 1107
     - (may substitute a higher level math)
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. **Common Program Prerequisites** (28 hrs)
   - MUT 1112 Music Theory and musicianship I 4 hrs
   - MUT 2126 Music Theory and musicianship II 4 hrs
   - MUT 2127 Music Theory and musicianship IV 4 hrs
   - MUN XXX Ensembles 4 hrs
   - MUX XXX Performance 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

3. **Core Requirements** (9 hrs)
   - MUS 2360C Introduction to Music Technology 3 hrs
   - MUS 1010 Music Forum (four semesters) 0 hrs
   - MVH 3211 Music History I 3 hrs
   - MVH 3212 Music History II 3 hrs

4. **Restricted Electives-Music** (15-19 hrs)
   - Choose one MUT 3XXX or MUT 4XXX course 3 hrs
   - Choose from any MUX 3XXX or 4XXX 12-16 hrs
   - (No more than 6 of these credits can be taken as MUN courses.)

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 (3-11 hrs)
Select primarily from upper-level courses

7. Departmental Exit Requirements (3 hrs)
- MUS 4900 Capstone/Senior Thesis Project 3 hrs
- 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 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: Music Education, Music (BM), Theatre, Musical 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.

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 компакты.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 B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year
Fall 14 hrs  Spring 17 hrs
ENC 1101 Composition I (GEP A.1.) 3
MUT 1121 Music Theory and Musicanship I 4
MUS XXXX Ensemble 1
MVK 141X Performance I 2
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3
MUS 2300C Intro to Music Technology 3
GEP E.1. Science Foundation 3

Sophomore Year
Fall 16 hrs  Spring 16 hrs
SPC 1050 Fundamentals of Oral Comm (GEP A.3) 3
MUT 227 Music Theory and Musicanship III 4
MUS XXXX Ensemble 1
XXX 1120 Foreign Language 4
MVK 2121 Class Piano I 1
MUS 1010 Music Forum 0
STA 100C Basic Statistics MS Excel (GEP C.2) 3
GEP B.1. Cultural & Historical Foundation 3

Junior Year
Fall 15 hrs  Spring 15 hrs
GEP B.2. Cultural & Historical Foundation 3
MUT 3400X Music Restricted Elective 3
MUT 3400X Music Restricted Elective 3
MUS XXXX Non-Music Restricted Elective 3
MUS 3400X Non-Music Restricted Elective 3

Senior Year
Fall 15 hrs  Spring 12 hrs
GEP D.1. Social Foundation 3
XXX 3/4XXX Non-Music Restricted Elective 3
GEP E.2. Science Foundation 3
XXX 3/4XXX Non-Music Restricted Elective 3

MUSIC EDUCATION (B.M.E.)
College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.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 Musicanship 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 passing scores 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 Musicanship 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 III or Professional Program courses unless all requirements for admission are satisfied.
(2) Students who change degree programs and select this major must adopt the most current catalog.
(3) Common program prerequisites are subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.
### 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 B.1.B.1 list
  - 3 hrs
  - Prefer MUF 3212 History and Literature I
  - Select one course from B.1.B.1 or B.1.B.2 list
  - 3 hrs
  - Prefer MGF 1106 Finite Mathematics or MGF 1107

- **C. Mathematical Foundations**
  - Select one course from B.1.B.1 list
  - 3 hrs
  - Prefer STA 1060C Statistics Using Excel
  - (may substitute a higher level math)

- **D. Social Foundations**
  - 6 hrs

- **E. Science Foundations**
  - 6 hrs

#### 2. Common Program Prerequisites (38 hrs)

- **Program A – Instrumental**
  - 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
  - MUN XXXX Major Ensembles (4 semesters)
  - 4 hrs
  - MUS 1010 Music Forum (6 semesters)
  - 0 hrs
  - MUS 1121 Music Theory and Musicianship I
  - 4 hrs
  - MUS 1122 Music Theory and Musicianship II
  - 4 hrs
  - MUS 2125 Music Theory and Musicianship III
  - 4 hrs
  - MUS 2127 Music Theory and Musicianship IV
  - 4 hrs
  - MVX 2122 Class Piano IV
  - 1 hr
  - MVX 141X Performance I (2 semesters)
  - 4 hrs
  - MVX 242X Performance II (2 semesters)
  - 4 hrs
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- **Program B – Choral**
  - MUE 2440 String Techniques
  - 1 hr
  - MUE 2470 Percussion Techniques I
  - 1 hr
  - MUE 3461 Brass Techniques II
  - 1 hr
  - MUE 2450 Woodwind Techniques I
  - 1 hr
  - MUE 3451 Woodwind Techniques II
  - 1 hr
  - 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

#### 3. Music Core Requirements (0 hrs)

- MUN XXXX Major Ensembles (4 semesters)
- MUS 1010 Music Forum (6 semesters)
- MUS 1121 Music Theory and Musicianship I
- MUS 2125 Music Theory and Musicianship III
- MUS 2127 Music Theory and Musicianship IV
- MVX 141X Performance I (2 semesters)
- MVX 242X Performance II (2 semesters)

#### 4. Music Education Prerequisites (22 hrs)

- MUN XXXX Major Ensembles (2 semesters)
- MVX 343X Performance III (2 semesters)
- MUG 3104 Basic Conducting
- MUL 2014 Introduction to Music Literature
- MUH 3211 Music Theory and History I
- MUH 3212 Music History and Literature II
- ESE 3940 Internship I
- MUE 4311 Elementary Music Methods
- MUE 3333 Music Learning Theory and Assessment

#### 5. Education Core (12 hrs)

- EDG 4140 Teaching Strategies and Classroom Management
- TSL 4080 Theory and Practice of Teaching ESOL Students
- EDF 4603 Critical Analysis of Educational, Legal and School Safety Issues
- RED 4043 Content Reading K-12

#### 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 4332 Secondary Instrumental Methods I*
- 3 hrs
- MUE 4333 Secondary Instrumental Methods II*
- 3 hrs
- MUG 4441 String Methods*
- 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**

- MUE 1250 IPA for Singers
- 1 hr
- MUG 3202 Choral Conduct & Materials*
- 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

### 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 II)
- 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
semester of enrollment at UCF. (See http://www.ft.nesinc.com/ for test information).

- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requirements include demonstrating professionalism, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

**Ensemble Participation**
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enroll in an appropriate major ensemble if accepted.

**Recitals**
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

**CMENC Membership**
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

**Music Education Forums**
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

**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**

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**Take General Knowledge Test**

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221
## UCF Degree Programs

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## Music – Jazz Studies Track (B.M.)

### College of Arts and Humanities

### Department of Music, CNH 205

**http://music.ucf.edu/**

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

**Program Coordinator:** J. Rupert, 407-823-5411, E-Mail: jrupert@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](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/](http://music.ucf.edu/) to see the class piano requirements.
1. UCF General Education Program (36 hrs)

A. Communication Foundations
   Select ENC 1101 and ENC 1102 9 hrs
   Prefer SPE 1608

B. Cultural and Historical Foundations
   Select one course from 1.B.1 list 3 hrs
   Select one course from 1.B.2 list 3 hrs
   Select 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 (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 (24 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 3711 Jazz Ensemble (four semesters) 4 hrs
MKV 1111 Class Piano I 1 hr
MKV 1112 Class Piano II 1 hr
MKV 2121 Class Piano III 1 hr
MKV 2122 Class Piano IV 1 hr

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 3 hrs
MUS 2360C Intro to Music Technology 3 hrs
MUS 1010 Music Forum (eight semesters) 0 hrs
MUL 2016 Evolution of Jazz 3 hrs
MUT 3170 Jazz Theory I 3 hrs
MUT 3171 Jazz Theory II 3 hrs
MUT 3923 Jazz Workshop (four semesters) 12 hrs
MUS 4320 Music Business & Industry 3 hrs
MUS 4814 Jazz Styles and Analysis 3 hrs
MUS 3953 Recital Performance I 0 hrs
MUS 4954 Recital Performance II 0 hrs
MUH 3211 or Music History & Literature I 3 hrs
MUH 2212 Music History & Literature II 3 hrs

4. Specialty Requirements (Choose one): (27 hrs)

Trumpet
MVJ 1411 Trumpet I (two semesters) 4 hrs
MVJ 2421 Trumpet II (two semesters) 4 hrs
MVJ 3431 Trumpet III (two semesters) 6 hrs
MVJ 4441 Trumpet IV (two semesters) 8 hrs
Restricted Electives* 5 hrs

Trombone
MVJ 1413 Trombone I (two semesters) 4 hrs
MVJ 2423 Trombone II (two semesters) 4 hrs
MVJ 3433 Trombone III (two semesters) 6 hrs
MVJ 4443 Trombone IV (two semesters) 8 hrs
Restricted Electives* 5 hrs

Saxophone
MVJ 1415 Saxophone I (two semesters) 4 hrs
MVJ 2425 Saxophone II (two semesters) 4 hrs
MVJ 3435 Saxophone III (two semesters) 6 hrs
MVJ 4445 Saxophone IV (two semesters) 8 hrs
Restricted Electives* 5 hrs

Jazz Piano
MVJ 1010 Jazz Piano I (two semesters) 4 hrs
MVJ 2220 Jazz Piano II (two semesters) 4 hrs
MVJ 3230 Jazz Piano III (two semesters) 6 hrs
MVJ 4240 Jazz Piano IV (two semesters) 8 hrs
MVK 1211 Secondary (classical) Piano (two semesters) 2 hrs
Restricted Electives* 3 hrs

Jazz Bass
MVJ 1214 Jazz Bass I (two semesters) 4 hrs
MVJ 2224 Jazz Bass II (two semesters) 4 hrs
MVJ 3234 Jazz Bass III (two semesters) 6 hrs
MVJ 4244 Jazz Bass IV (two semesters) 8 hrs
MVS 1214 Secondary (classical) Bass (two semesters) 2 hrs
Restricted Electives* 3 hrs

Jazz Guitar
MVJ 1213 Jazz Guitar I (two semesters) 4 hrs
MVJ 2223 Jazz Guitar II (two semesters) 4 hrs
MVJ 3233 Jazz Guitar III (two semesters) 6 hrs
MVJ 4243 Jazz Guitar IV (two semesters) 8 hrs
MVS 1216 Secondary (classical) Guitar (two semesters) 2 hrs
Restricted Electives* 3 hrs

Jazz Drum Set
MVJ 1219 Jazz Drums I (two semesters) 4 hrs
MVJ 2229 Jazz Drums II (two semesters) 4 hrs
MVJ 3339 Jazz Drums III (two semesters) 6 hrs
MVJ 4349 Jazz Drums IV (two semesters) 8 hrs
MVP 1211 Secondary Percussion 2 hrs
Restricted Electives* 3 hrs

Restricted Electives*
- Any secondary performance course not in area of major instrument
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

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.oesas.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
Fall 14 hrs
ENC 1101 Composition I 3
MUT 1121 Music Theory and Musicianship I 4
MUN 3713 Jazz Ensemble 1
MVX 141X Performance I 2
MUK 1112 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 3
MUT 1122 Music Theory and Musicianship II 4
MUN 3713 Jazz Ensemble 1
MVX 141X Performance I 2
MUK 1112 Class Piano II 1
MUS 1010 Music Forum 0
MUL 2360C Intro to Music Technology 3

Sophomore Year
Fall 17 hrs
SPC 1XXX Fundamentals of Oral Communication 3
MUT 2126 Music Theory and Musicianship III 4
MUN 3713 Jazz Ensemble 1
MVX 242X Performance II 2
MUK 2112 Class Piano III 1
MUT 317X Jazz Theory I 3
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3

Spring 14 hrs
MUT 2127 Music Theory and Musicianship IV 4
MUN 3713 Jazz Ensemble 1
MVX 242X Performance II 2
MUK 2112 Class Piano IV 1
MUT 317X Jazz Theory I 3
MUS 1010 Music Forum 0

Junior Year
Fall 16 hrs
GEP B.2. Cultural & Historical Foundation 3
MUL 2016 Evolution of Jazz 3
MUT 3923 Jazz Workshop 3
MVX 343X Performance III 3
MUS 1010 Music Forum 0
MUX 3XXX Restricted Electives 3
MUT 3923 Jazz Workshop 3
MUS 1010 Music Forum 0

Spring 13 hrs
GEP B.1. Cultural & Historical Foundation 3
MUT 3923 Jazz Workshop 3
MVX 343X Performance III 3
MUS 1010 Music Forum 0
MUX 3XXX Restricted Elective 1
MUT 3923 Jazz Workshop 3
MUS 1010 Music Forum 0

Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year
Fall 15 hrs
ENC 1101 Composition I 3
MUT 1121 Music Theory and Musicianship I 4
MUN 3713 Jazz Ensemble 1
MVX 1XXX Performance I 2
MUK 1111 Class Piano I 1
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3

Spring 15 hrs
ENC 1102 Composition II 3
MUT 1122 Music Theory and Musicianship II 4
MUN 3713 Jazz Ensemble 1
MVX 1XXX Performance I 2
MUK 1111 Class Piano II 1
MUS 1010 Music Forum 0
MUL 2360C Intro to Music Technology 3

Sophomore Year
Fall 17 hrs
SPC 1XXX Fundamentals of Oral Communication 3
MUT 2126 Music Theory and Musicianship III 4
MUN 3713 Jazz Ensemble 1
MVX 242X Performance II 2
MUK 2112 Class Piano III 1
MUT 317X Jazz Theory I 3
MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3

Spring 14 hrs
MUT 2127 Music Theory and Musicianship IV 4
MUN 3713 Jazz Ensemble 1
MVX 242X Performance II 2
MUK 2112 Class Piano IV 1
MUT 317X Jazz Theory I 3
MUS 1010 Music Forum 0

Junior Year
Fall 15 hrs
GEP B.2. Cultural & Historical Foundation 3
MUL 2016 Evolution of Jazz 3
MUT 3923 Jazz Workshop 3
MVX 3XXX Performance III 3
MUS 1010 Music Forum 0
MUX 3XXX Restricted Electives 3
MUT 3923 Jazz Workshop 3
MUS 1010 Music Forum 0

Spring 13 hrs
GEP B.1. Cultural & Historical Foundation 3
MUT 3923 Jazz Workshop 3
MVX 3XXX Performance III 3
MUS 1010 Music Forum 0
MUX 3XXX Restricted Elective 1
MUT 3923 Jazz Workshop 3
MUS 1010 Music Forum 0

Degree Requirements

1. UCF General Education Program (36 hrs)
   - Communication Foundations 9 hrs
     - Select ENC 1101 and ENC 1102
   - Prefer SPC 1XXX
   - Cultural and Historical Foundations 3 hrs
     - Select one course from 1.8.1 list
   - Prefer MUT 3XXX
   - Mathematical Foundations 3 hrs
     - Select one course from 1.8.2 list
   - Prefer MUS 1XXX
   - Preference Mathematics or MGF 1XXX
     (may substitute a higher level math)
   - Prefer STA 1XXX

2. Common Program Prerequisites (32 hrs)
   - MUT 1121 Music Theory and Musicianship
   - MUT 2126 Music Theory and Musicianship III
   - MUT 2127 Music Theory and Musicianship IV
   - MUT 3XXX Major Ensemble (four semesters)

MUSIC – MUSIC COMPOSITION TRACK (B.M.)

College of Arts and Humanities
Department of Music, CNH 205
http://www.music.cah.ucf.edu/

Program Coordinator: J. Batzner, 407-823-2864,
E-mail: jbatzner@mail.ucf.edu; J. Aschenbrenner, 407-823-5968;
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 prerequisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music Department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
3. Core Requirements (20 hrs)
MUL 2014 Intro to Music History and Literature 3 hrs
MUS 2360C Intro to Music Technology 3 hrs
MUS 1010 Music Forum (eight semesters) 0 hrs
MUT 4571 20th Century Musical Analysis 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUN XXXX Major Ensembles 2 hrs
(Piano students take MUN 3453, guitar students take MUN 3483)
MUG 3104 Basic Conducting 2 hrs
MUS 3211 Music History & Literature I 3 hrs
MUS 3212 Music History & Literature II GEP

4. Professional Sequence Requirements: (32 hrs)
MUC 3105C Composition III (two semesters) 3 hrs
MUT 4311 Orchestration 3 hrs
MUT 4950 Composition Recital 0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above 3 hrs
Restricted Electives* 9 hrs

*Restricted Electives
Any secondary performance course not in area of major instrument or any MUC, MUE, MUG, MUH, MUL, 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

Minor Ensemble Participation
If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. 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

7. 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

8. Electives (variable)
Select primarily from upper level courses. 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: 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 ................................. $30 per term
Part-time Student ................................. $45 per term

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 14 hrs Spring 17 hrs
ENC 1101 Composition I 3 ENC 1102 Composition II 3
MUT 1121 Music Theory and Musicianship I 4 MUT 1122 Music Theory and Musicianship II 4
MUN XXXX Major Ensemble 1 MUN XXXX Major Ensemble 1
MUC 1101C Composition I 2 MUC 1101C Composition II 2
MUT 1121 Class Piano I 1 MUC 1106C Composition Recital 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0

Sophomore Year
Fall 15 hrs Spring 16 hrs
SPC 1005 Introduction to Oral Communication 3 GEP B.1. Cultural & Historical Foundation 3
MUC 2104C Composition III 3 MUC 2104C Composition IV 3
MUG 3102 Composition II 2 MUT 2122 Music Theory and Musicianship III 4
MUS 1010 Music Forum 0 MUT 2122 Music Theory and Musicianship IV 4
MVK 1111 Class Piano II 1 MUC 2104C Composition II 2
MUC 3104 Class Piano I 1 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 E.1. Science Foundation 3
MUC 3105C Composition III 3 MUT 3105C Composition II 3
MVC 3104C Composition IV 3 MUC 3105C Composition IV 3
MUS 1010 Music Forum 0 MUT 3105C Composition IV 3
MUS 1010 Music Forum 0 MUN XXXX Major Ensemble 1
MVK 1111 Class Piano I 1 MUN XXXX Major Ensemble 1
MUC 1101C Composition I 2 MUC 1101C Composition II 2
MUS 1010 Music Forum 0 MUC 1101C Composition II 2

Senior Year
Fall 13 hrs Spring 13 hrs
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUC 34XXX Restricted Electives 3 MUC 4950 Composition Recital 0
MUC 4950 Composition Recital 0 MUC 4950 Composition Recital 0
GEP E.2. Science Foundation 3 MUC 4950 Composition Recital 0
GEP E.2. Science Foundation 3 GEP E.2. Science Foundation 3

MUSIC – MUSIC PERFORMANCE 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
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.
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 pre-requisite 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 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
- 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)
  - 3 hrs
- Prefer STA 1060C 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 XXXX Major Ensemble (four semesters)
  - 4 hrs
  
(Piano students take MUN 3453, guitar students take MUN 3483)
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

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (27 hrs)

MUL 3400 Piano Literature I
  - 2 hrs
MUL 3401 Piano Literature II
  - 2 hrs
MVV 4640 Voice Pedagogy I
  - 2 hrs
MUN 3453 Piano Ensemble
  - 2 hrs
Restricted Electives* (GER 1120C or GER 1121C)
  - 9 hrs
Electives
  - 5 hrs

4. Specialty Requirements (Choose One:) (22 hrs)

- Piano
  
  MUL 3400 Piano Literature I
  - 2 hrs
  MUL 3401 Piano Literature II
  - 2 hrs
  MVV 4640 Voice Pedagogy I
  - 2 hrs
  MUN 3453 Piano Ensemble
  - 2 hrs
  Restricted Electives* (GER 1120C or GER 1121C)
  - 9 hrs
  Electives
  - 5 hrs

- Guitar
  
  MUL 4437 String Literature and Pedagogy
  - 3 hrs
  MUN XXXX Major Ensemble
  - 2 hrs
  Restricted Electives* (GER 1120C or GER 1121C)
  - 12 hrs
  Electives
  - 5 hrs

- Voice
  
  MUS 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
  MUL 3602 Song Literature
  - 3 hrs
  MUX XXXX Major Ensembles
  - 2 hrs
  MUX XXXX Minor Ensembles
  - 2 hrs
  Foreign Language (FRE 1110C and FRE 1121C)
  - 8 hrs

- Woodwinds
  
  MUX XXXX Major Ensemble
  - 2 hrs
  MUX XXXX Minor Ensemble
  - 4 hrs
  MUX 4443 Brass Literature and Pedagogy
  - 3 hrs
  Restricted Electives* (GER 1120C or GER 1121C)
  - 8 hrs
  Electives
  - 5 hrs

- Percussion
  
  MUX XXXX Major Ensemble
  - 2 hrs
  MUX XXXX Minor Ensemble
  - 4 hrs
  MUX 4443 Percussion Literature
  - 3 hrs
  Restricted Electives* (GER 1120C or GER 1121C)
  - 8 hrs
  Electives
  - 5 hrs

- Strings
  
  MUX XXXX Major Ensemble
  - 2 hrs
  MUX XXXX Minor Ensemble
  - 4 hrs
  MUX 4443 String Literature and Pedagogy
  - 3 hrs
  Restricted Electives* (GER 1120C or GER 1121C)
  - 8 hrs
  Electives
  - 5 hrs

*Restricted Electives* 3-15 hrs

- Choose one MUT 3XXX or MUT 4XXX course
- Any MUC, MUE, MUG, MUX, 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.

Minor Ensemble Participation

- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.

- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.

- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

6. 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
## Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at [http://www.oas.ucf.edu/oac/academic_learning_compacts.htm](http://www.oas.ucf.edu/oac/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.) 3
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUL 2014 Intro to Music History and Literature 3

**Spring**
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUS 1010 Music Forum 0
- MUL 2306C Intro to Music Technology 3
- GEP E.1. Science Foundation 3

**Sophomore Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUX 34XX Music Theory and Musicianship III 4
- MVK 2121 Class Piano III 1
- MUS 1010 Music Forum 0
- MUG 3104 Basic Conducting 2
- STU 100C Basic Statistics MS Excel (GEP C.2) 3

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MVK 2122 Class Piano IV 1
- MUS 1010 Music Forum 0
- MUG 3106C Intro to Music Technology 3
- GEP E.1. Science Foundation 3

**Junior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUG 3104 Percussion Pedagogy 2
- MUX 34XX Restricted Electives 3

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MVK 2122 Class Piano IV 1
- MUS 1010 Music Forum 0
- MUG 3106C Intro to Music Technology 3
- GEP E.1. Science Foundation 3

**Senior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 34XX Restricted Electives 3
- Professional Sequence Entrance Review 3

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MVK 2122 Class Piano IV 1
- MUS 3953 Recital Performance I 0
- MUX 34XX Restricted Electives 3
- Professional Sequence Entrance Review 3

### Program B: Percussion

**Freshman Year**

**Fall**
- ENC 1101 Composition I (GEP A.1.) 3
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 1211 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUL 2014 Intro to Music History and Literature 3

**Spring**
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 1212 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Sophomore Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUG 3104 Basic Conducting 2
- STU 100C Basic Statistics MS Excel (GEP C.2) 3

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Junior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 3XXXRestricted Elective 1
- Free Elective 2

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Senior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 3XXX Restricted Elective 1
- Free Elective 2

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

### Program C: Piano

**Freshman Year**

**Fall**
- ENC 1101 Composition I (GEP A.1.) 3
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 1211 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUL 2014 Intro to Music History and Literature 3

**Spring**
- ENC 1102 Composition II (GEP A.2.) 3
- MUT 1212 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Sophomore Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 3XXX Restricted Elective 1
- Free Elective 2

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Junior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 3XXX Restricted Elective 1
- Free Elective 2

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

**Senior Year**

**Fall**
- SPC 1608 Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship I 4
- MVK 1111 Class Piano I 1
- MUS 3953 Recital Performance I 0
- MUX 3XXX Restricted Elective 1
- Free Elective 2

**Spring**
- GEP B.1. Cultural & Historical Foundation 3
- MUT 2127 Music Theory and Musicianship II 4
- MVK 1112 Class Piano II 1
- MUX 3XXX Major Ensemble 1
- MUX 3XXX Restricted Elective 2
- Free Elective 2

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### UCF Degree Programs

[UCF Degree Programs](http://www.oas.ucf.edu/oac/academic_learning_compacts.htm)
UCF Degree Programs

**Junior Year**

**Fall**
- GEP B.2. Cultural & Historical Foundation 3
- MUS 3211 Music History and Literature I 3
- MVK 2121 Class Piano I 1
- MUS 3435 Piano Ensemble 1
- MUT 3/4XXX 3
- MVP 3431 Piano III 3
- MUS 1010 Music Forum 0
- MUN 3435 Piano Ensemble 1
- MUS 3953 Recital Performance I 0

**Spring**
- MUS 3430 XXX Restricted Electives 3
- MUS 3431 Music History and Literature II 3
- MVK 2122 Class Piano II 1
- MUS 1010 Music Forum 0
- MUN 3435 Piano Ensemble 1
- MUS 3953 Recital Performance I 0

**Senior Year**

**Fall**
- GEP D.1. Social Foundation 3
- MUS 4441 Voice I 3
- MUS 1010 Music Forum 0
- MVP 4441 Voice IV 3
- MUS 4954 Recital Performance II 3
- Free Elective 3

**Spring**
- GEP E.1. Science Foundation 3

**Program D: Guitar**

**Freshman Year**

**Fall**
- ENC 1101 Composition I (GEP A.1) 3
- MUT 2126 Music Theory and Musicianship III 4
- MUS 3487 Guitar Ensemble 1
- MVS 2426 Guitar I 2
- MVK 2121 Class Piano I 1
- MUS 1010 Music Forum 0
- MU 1010 Intro to Music History and Literature 3
- ENC 1102 Composition II (GEP A. 2) 3

**Spring**
- GEP B.1. Cultural & Historical Foundation 3

**Sophomore Year**

**Fall**
- SPC 100X Fundamentals Oral Comm (GEP A.3) 3
- MUT 2126 Music Theory and Musicianship III 4
- MUS 3487 Guitar Ensemble 1
- MVS 2426 Guitar II 2
- MVK 1111 Class Piano I 1
- MUS 1010 Music Forum 0
- MUS 1010 Intro to Basic Conducting 2
- STA 100X Basic Statistics MS Excel (GEP C.2) 3

**Spring**
- GEP B.2. Cultural & Historical Foundation 3
- MUS 3435 Guitar III 3
- MUS 1010 Music Forum 0
- MUS 1010 Intro to Music History and Literature 3

**Senior Year**

**Fall**
- GEP D.1. Social Foundation 3
- MUS 4345 Guitar IV 4
- MUS 1010 Music Forum 0
- MVP 4441 Voice IV 3
- MUS 4954 Recital Performance II 3

**Spring**
- GEP E.2. Science Foundation 3

**Program E: Voice**

**Freshman Year**

**Fall**
- ENC 1101 Composition I (GEP A.1) 3
- MUT 2126 Music Theory and Musicianship I 4
- MUS 3437 Piano Literature and Pedagogy 3
- MVS 3435 Guitar III 3
- MUS 1010 Music Forum 0
- MUS 1010 Intro to Music History and Literature 3
- ENC 1102 Composition II (GEP A. 2) 3

**Spring**
- GEP F.1. Cultural & Historical Foundation 3

**Sophomore Year**

**Fall**
- MGF 1106 Finite Mathematics (GEP C.1) 3
- MUT 2126 Music Theory and Musicianship I 4
- MUS 3454 Piano Literature II 2
- MVS 3435 Guitar III 3
- MVK 2121 Class Piano III 1
- MUS 1010 Music Forum 0
- MUG 3104 Basic Conducting 3

**Spring**
- GEP G.1. Social Foundation 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: ucfnurse@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 a BA degree and will be 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.

General Information:

- 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.
Early acceptance may be offered to First-Time-in-College (FTIC) and Direct Connect students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECP). For specific information about early acceptance, contact the College of Nursing or visit the website at http://www.nursing.ucf.edu.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida Board of Nursing.

**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 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, and should be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continued graduation and continuation from the nursing program.
- UCF Residency Requirement: 30 hours
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

### 1. UCF General Education Program (36+1 hrs)

- Communication Foundations (SPC 1608 preferred)
  - MA 1105
  - Select STA 2014C
- Cultural Historical Foundations
  - A. Communication Foundations (SPC 1608 preferred) 9 hrs
  - B. Cultural Historical Foundations 9 hrs
- Mathematical Foundations
  - MAC 1105
- Select Social Foundations
  - Select both SYG 2000 and PSY 2012*
  - Select ECO 2012 or ECO 2023 or POS 2041
- Science Foundations:***
  - Select BSC 2010C
  - Select CHM 1032 (and lab)

*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 Physiologic and Health Microbiology.

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

- PSY 2012 General Psychology**
- SYG 2000 Sociology**
- MCB 2004C 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**
- or 2023
- SOW 3104 Assessing Human Development or DEP 2004 Developmental Psychology
- HUN 3011 Human Nutrition

*May take Anatomy and Physiologic 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 (i.e., 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assess Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>Role of Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice</td>
<td>1 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nurses</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nurses</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</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</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3105</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR XXXX</td>
<td>Nursing Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4537</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 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</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 455L</td>
<td>Psychiatric Mental Health Nursing Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Leadership, Management and Role Transition</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 hrs</td>
</tr>
</tbody>
</table>
| 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)

5. Departmental Continuation and Exit Requirements

6. Electives

7. Foreign Language Requirements

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours 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
- Statistics (STA 2014 or 2023) or any Statistics course
- General Chemistry (CHM 1032 or any other 6-8 comprehensive chemistry course w/lab)*
- Human Anatomy and Physiology I & II (BSC 2093/2094 or BSC 2085/2086)
- General Microbiology (MCB 2004C) 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 (i.e., 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.
UCF Degree Programs

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

Equipment Fee
- Full-time Student ........................................... $50 per term
- Part-time Student ........................................... $25 per term

Freshman Year
Fall 16 hrs SYG 2000 3 ENC 1101 3 MAC 1105 3 BSC 2010C 4
Spring 14 hrs CHM 1032 3
- PCB 3703C Human Physiology 4
- SOW 3104 Assessing Human Development 3
- HUN 3011 Human Nutrition 3
- PHI 2010, LIT 2110, LIT 2120
- DEP 2004 2010, THE 2000, REL 2300,
- NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4637L Nursing Care of Families Clinical 2 hrs
- NUR 4637 Nursing Care of Families 2 hrs
- Fall 15 hrs Summer C/D 6-9 hrs Spring 16 hrs
- Senior Year
- Fall 12-15 hrs Summer C/D 6-9 hrs Spring 13-16 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs

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://distrub.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
(36+1 hrs)
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 ECO 2013 or ECO 2023 or POS 2041
Select one: ERG 2004C or ERG 2010
** May be met by Validation
**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**
- SYG 2000 Sociology**
- MCB 2004C Health Microbiology
- CHM 1032 General Chemistry**
- CHM 1032L General Chemistry Lab
- ZOO 3733C Human Anatomy**
- PCB 3703C Human Physiology
- STA 2014 or STA 2023 Principles of Statistics**
- ECO 2013 Assessing Human Development
- or DEP 2040 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 Requirements
(24 hrs)
- NUR 3065 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3065 Health Assessment 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4828 Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, & Econ 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 4 hrs

Nursing for RNs

Upper Division Credits*
(27 hrs)
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3795L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 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 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

230 UNIVERSITY OF CENTRAL FLORIDA
2009-2010 Undergraduate Catalog
## NURSING ACCELERATED SECOND DEGREE
### 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.

## NURSING (B.S.N.)

### D. RN TO MSN OPTION

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

## NURSING (B.S.N.)

### E. AS TO BSN TRACK

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

## NURSING (B.S.N.)

### 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.

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### Degree Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1. Admission to the Nursing Program</td>
<td>variable to meet degree requirements</td>
</tr>
<tr>
<td>2. Complete General Education and University requirements</td>
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</tr>
<tr>
<td>3. Complete the RN to BSN coursework</td>
<td>120 hrs</td>
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</tbody>
</table>

### Related Programs
- Health Services Administration, Social Work, All health programs
- 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](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 (assuming general education, foreign language, and nursing pre-requisites are complete)

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
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<tbody>
<tr>
<td>NUR 3805</td>
<td>3 NUR 3165</td>
</tr>
<tr>
<td>3 NUR 3065</td>
<td>2 NUR 3634 Community Health</td>
</tr>
<tr>
<td>NUR 305L</td>
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<table>
<thead>
<tr>
<th>Semester III</th>
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<tbody>
<tr>
<td>NUR 4837</td>
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<tr>
<td>NUR XXXX (Nursing Elective 1)</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Semester V</th>
<th>Semester V</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4828 Leadership</td>
<td>3 NUR 4637 Public Health</td>
</tr>
<tr>
<td>NUR 4XXX (Nursing Elective 2)</td>
<td>3 NUR 4604L Practicum</td>
</tr>
</tbody>
</table>

*Elective may be taken at any point.

### 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
- 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

### Other
Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
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 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - 1. MAC 1105 (preferred)
   - 2. Select STA 2014 or STA 2023 6 hrs
   - D. Social Foundations
     - Select SYG 2000 or PSY 2012* 6 hrs
     - Select one: ECO 2013 or ECO 2023 or POS 2041 7 hrs
   - E. Science Foundations:
     - Select BSC 2010C (4) 6 hrs
     - Select CHM 1032L (3) 6 hrs

*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** GEP 3 hrs
   - SYG 2000 Sociology** 4 hrs
   - MCB 2004 Health Microbiology 4 hrs
   - CHM 1032L General Chemistry ** GEP 4 hrs
   - CHM 1032L General Chemistry Lab 4 hrs
   - ZOO 3733C Human Anatomy** 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - STA 2014C or STA 2023 Principles of Statistics** GEP 4 hrs
   - MCB 2004 Health Microbiology 4 hrs
   - SOW 2104 Assessing Human Development or or DEP 2004 Developmental Psychology 3 hrs
   - NUR 3011 Human Nutrition 3 hrs

*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 1 hr
   - 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 4838 Leadership, Management and Role Transition 3 hrs
   - NUR 4837 Health Care Issues, Policy, & Economics 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

Upper Division Credit* (27 hrs)

   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 3755 Essentials of Nursing Practice Clinical 2 hrs
   - NUR 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
   - 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

<table>
<thead>
<tr>
<th>Semester I</th>
<th>NUR 3806</th>
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</tr>
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<tbody>
<tr>
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Semester II

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Semester IV

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Semester V

| Semester V  | NUR XXXX (Nursing Elective 1) | 3 |

Semester VI

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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: none

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must earn at least a "C" (2.0) in each required course
   - Co-op or internship credit cannot be used in this major without prior departmental approval
   - Students should consult with a departmental advisor
   - Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department
   - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations
Select HUM 2210 Humanistic Traditions I
Select HUM 2230 Humanistic Traditions II
Select PHI 2101 Intro to Philosophy

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
none

3. Core requirements* (36 hrs)
A. Core
HUM 2210 Humanistic Traditions I
HUM 2230 Humanistic Traditions II
PHI 2101 Intro to Philosophy
PHI 3083 Research Methods
To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.
PHI 4938 Senior Research Seminar
B. Reasoning
Take any two of the following courses:
PHI 2011 Philosophical Reasoning
PHI 2101 Critical Thinking
PHI 2108 Formal Logic I
PHI 2647 Logic and Ethics
PHI 3131 Formal Logic II
C. History of Philosophy (9 hrs)
Take two of the following courses:
PHI 3100 Ancient Philosophy
PHI 3200 Medieval Philosophy
PHI 3460 Modern Western Philosophy
Take one of the following courses:
PHI 3600 Contemporary Philosophy
PHI 3510 Marx and Nietzsche
PHI 3700 American Philosophy
PHI 3790 African Philosophy
D. Values and Society (6 hrs)
Take any two of the following courses:
PHI 3670 Ethical Theory
PHI 3626 Advanced Ethics in Science and Technology
PHM 3401 Philosophy of Law
PHM 3800 Aesthetics
PHM 3123 Feminist Theories
PHI 3638 Ethical Issues in the 21st Century
PHI 3625 Virtual Ethics
PHI 4633 Ethics and Biological Science
PHM 3100 Freedom and Justice
PHI 3640 Environmental Ethics
PHM 4031 Environmental Philosophy
PHI 3701 Native American Philosophy
PHI 3805 Contemporary Aesthetics

E. Being and Knowing (6 hrs)
Take any two of the following courses:
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 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 3533 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

HUM 4330 Performance Theory
PHI 4935 Topics in Philosophy of Mind

*Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

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 4938 Senior Research Seminar.
- Earn a “C” (2.0) or better in each required course.
- Computer Competency met by PHI 4970H, PHI 4938, 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 4903H 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

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oceas.ucf.edu/aac/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. (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 hrs
- Spring: ENC 1102 Composition II 3 hrs

Sophomore Year
- Fall: ENC 1120 Hum Tradition I 3 hrs
- Spring: ENC 1121 Hum Tradition II 3 hrs

Junior Year
- Fall: ENC 2108 Reasoning 3 hrs
- Spring: ENC 2109 Reasoning 3 hrs

Senior Year
- Fall: ENC 2215 Professional Studio Portraiture 4 hrs
- Spring: ENC 3821 Digital Imagery for Photography 3 hrs

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.

(Transfer and Transitions Services section for more information.)

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 coursework 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)

2. General Education Program (36 hrs)
   - ENC 1101 Composition I AS
   - ENC 1102 Composition II 3 hrs
   - SPC 2600* Speech AS

3. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 42 semester hours of upper division credit completed.
   - 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 nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 127 hrs

2. Common Program Prerequisites (0 hrs)
   (Included 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
   - ARH 2051 History and Criticism of Art II AS
   - PGY 1403* Fundamentals of Photography AS
   - PGY 3610C Photographology I BS

3. AS Required Courses: (49 hrs)
   (Completed in the A.S. degree program in Photographic Technology or equivalent coursework)

   - ENC 1115 Color Materials and Processes 7 hrs
   - ENC 1403 Fundamentals of Photography 4 hrs
   - ENC 1800 Photography and the Digital Image 4 hrs
   - ENC 2009 History and Aesthetics of Photography 3 hrs
   - ENC 2107 Large Format Photography 4 hrs
   - ENC 2215 Professional Studio Portraiture 4 hrs
   - ENC 2216 Location Photography 4 hrs
   - ENC 2300 Field Survey of Professional Workshop 3 hrs
   - ENC 2470 Advanced Photography Workshop 4 hrs
   - ENC 2935 Portfolio Workshop 4 hrs
   - ENC 2650 Editorial Photography 4 hrs

4. Upper Division Required Courses (39 hrs)
   - ENC 2350 Professional Writing 3 hrs
   - ENC 3821 Digital Imagery for Photography 3 hrs
   - ENC 3851C Narrative Editorial Photography 3 hrs
   - ENC 3853C Advanced Explorations in Editorial Photography 3 hrs
   - ENC 4472C Photography Workshop/Project 3 hrs
   - ENC 4228C Advanced Illustrative Photography 3 hrs
   - ENC 4471 Photography Thesis 3 hrs
   - ENC 3324 The Professional Environment 3 hrs
   - ENC 3205C Advanced Lighting Techniques 3 hrs
   - ENC 3480 Photographic Exhibition and Display 3 hrs

5. Upper Division Restricted Electives (3 hrs)
   Select one of the following courses:
   - ENC 3451C Alternative Processes 3 hrs
   - ENC 3809C Photography and Web Design 3 hrs
   - ENC 3751C Videography 3 hrs
   - ENC 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
   - 60 semester hours earned after any CLEP award
   - 42 semester hours of upper division credit completed.
   - 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 nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 127 hrs

234 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
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 met the Florida Course Completion Requirement.
- Courses included in the common program prerequisites (20 hrs)
  - PHY 2048 & L (PR: MAC 2311) 4 hrs
  - COP 3223 3 hrs
- Students should consult their faculty advisors when deciding among these tracks.

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.oas.ucf.edu/aic/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.

Degree Requirements

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, MAC 2311, MAC 2312, MAC 2313, PHY 2048 &L, and PHY 2049 &L. These courses are prerequisites for advanced science courses and students entering without these courses 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.

Directed Electives 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.)
   - Science Foundations
   - Cultural and Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - 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 2046L 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 4 hrs
PHYS 2049 & L Physics Engr & Sci II & Lab 4 hrs

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

3. Core requirements (all tracks) (36 hrs)
   - MAP 2302 Differential Equations 3 hrs
   - MAP 3101 Physics Engr & Sci III 3 hrs
   - PHY 3113 Introduction 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
   - PHY 3702L Intermediate Physics Lab 3 hrs
   - PHY 3752C Physics of Sci Instruments 4 hrs
   - PHY 3722C Physics Laboratory: Electronics 3 hrs

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

4.2 Materials Physics Specialization (18 hrs)
   - Choose one lab from:
     - PHY 4803L Advanced Physics Lab 3 hrs
     - EEE 5396C Fabrication of Solid State Devices 4 hrs
   - Choose nine hours from:
     - EEE 3350 Semiconductor Devices 3 hrs
     - EGN 3365 Structure 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

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

4.4 Computational Physics Specialization (19 hrs)
   - PHZ 3151 Computer Methods in Physics 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - COT 4500 Numerical Calculus 3 hrs
   - Directed Electives 6 hrs

4.5 Astronomy Specialization (18 hrs)
   - AST 3110 Solar System Astronomy 3 hrs
   - AST 3211 Stellar Astrophysics 3 hrs
   - AST 3402 Galaxies and Cosmology 3 hrs
   - Directed Electives 6 hrs

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
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 2040 plus CHM 2041C.

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 $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 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

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<td>ENC 1101 Composition I</td>
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<td>MAC 2311 Calc Anal Geo I</td>
<td>PHY 2048L Phy L Eng Sci I</td>
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<td>COP 3223 Intro to Prog C</td>
<td>PHY 3722C Physics L Elect</td>
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<td>SPC 1603 Fund Tech Pros</td>
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<td>MAC 2313 Calc Anal Geo III</td>
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<td>PHY 3722C Physics L Elect</td>
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<td>PHY 4604 Intro to Quantum Mech. I</td>
<td>3 BSC 1005* req# 1E2-GEP</td>
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<td>3 PHY 4424* req# 4-Spe</td>
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<td>COT 4500* req# 4-Spe</td>
<td>PHY 4605 Intro to Quantum Mech III</td>
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<td>PHY 3722C Physics L Elect</td>
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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.

Degree Requirements
- 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.
- 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.
- Students who double minor in Political Science and 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 1060C
   D. Social Foundations
      1. Select POS 2041
      2. Select from GEP D.2 list
      3. Prefer STA 2014C or STA 1060C
   E. Science Foundations
      1. Prefer Physics, Chemistry, Biology, Environmental Science or Oceanography
      2. Elective

2. Common Program Prerequisites (3 hrs)
   - POS 2041* American National Government
   - POS XXX* Any other POS XXX course

3. Core (0 hrs)
   - POS 2041
   - POS 3703 Scope & Methods of Pol Sci

*See Transfer Notes for possible substitutes.
4. Upper Division Restricted Electives (30 hrs)

**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 3258 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 3203 Environmental Politics
- PUP 3314 Minorities in American Politics
- PUP 3325 Women and Political Behavior
- PUP 4003 American Public Policy
- PUP 4024 Sustainability
- PUP 4323 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 4794 Politics from area C
- CPO 4794 Political & Economic Inequality in Comparative Perspective
- GEO 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
- 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 4364 The Intelligeance Community
- INR 4365 Issues in International Public Policy
- INR 4394 Coercion in International Politics
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4404 Space Law
- INR 4502 International Organizations
- INR 4714 Politics of International Trade Policy
- POS 3253 Contemporary Revolution & Political Violence
- PUP 3508 Space Studies
- PUP 3014 Comparative Public Policy
- INR 4351 International Environmental Law
- PUP 4510 Space Policy
- INR 4603 International Relations Theory
- PUP 4206 Political Psychology
- POT 3204 American Political Thought
- POT 3302 Modern Political Ideologies
- POT 4003 Political Theory
- POT 4025 Ancient, Medieval and Early Modern Political Philosophy
- POT 4054 Modern Political Philosophy
- POT 4069 Contemporary Political Theory
- POT 4109 Politics and Literature
- POT 4345 Pan-Africanist Thought
- POT 4305 The State, Society, and The Individual
- POT 4314 Contemporary Democratic Theory
- POT 4331 Utopia/Dystopia
- POT 4414 Marxist Political Theory
- POT 4632 Religion and Politics

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)
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:
  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 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**

A. Communication Foundations
   1. Select ENC 1101, ENC 1102
   2. Select SPC 1608

B. Cultural and Historical Foundations
   1. Prefer AMH 1050
   2. Prefer AMH 2020
   3. Select from GEP B.2 list

C. Mathematical Foundations
   1. Prefer MGF 1106
   2. Prefer STA 2014C
   3. STA 2014C

D. Social Foundations
   1. Select POS 2041 American National Gvt
   2. Select one of the three choices
   3. E. Science Foundations

**2. Common Program Prerequisites**

- POS 2041 American National Gvt
- POS XXXX Any other POS XXXX course

*See Transfer Notes for possible substitutes

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

**3. Core**

- POS 3703 American National Government
- POS 3705 Scope and Methods of Pol Sci

**4. Upper Division Restricted Electives**

- POS 4284 Political Process and Politics

4.1 Select one of the following:
   - POS 4603 American Constitutional Law I
   - POS 4604 American Constitutional Law II
   - INR 4401 International Law I
   - INR 4402 International Law II

4.2 Select one (See listing under Political Science)
   - Five courses from area A and
   - Two courses from area B
   - Five courses from area A and
   - Two courses from area B
   - Select one course from area C

**5. Upper Division Restricted Electives**

- 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**

- 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 examiniations 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 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- BUL 3130 Legal and Ethical Env't of Business
- PLA 3104 Legal Research
- PLV 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 must receive approval. May be outside of the department.

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
Fall
- AMH 2010 U S His 1492 1877
- ENC 1101 Composition I
- MGF 1106* req# 1C1-GEP
- POS 2041* req# 1D2-GEP
- STA 1101* req# 1D1-GEP
Spring
- AMH 2020 U S His 1877 Pres
- ENC 1102 Composition II
- REL 2300* req# 1B3-GEP
- SPC 1608* req# 1A3-GEP
- STA 2014C Prin of Statistics

Sophomore Year
Fall
- BSC 1005* req# 1E2-GEP
- POS 4284 Jud Process Pol
- COP 3010* req# 4.2B-RE
- Elective* Check restrictions
- SPN 1120C* req# Lang/Elect
Spring
- BSC 1121* req# 1E1-GEP
- POS 3703 Meth of Pol Sci
- COP 4604* req# 4.1-ResEle
- Elective* Check restrictions
- SPN 1121C* req# Lang/Elect

Junior Year
Fall
- POS 4603* req# 4.1-ResEle
- POS 3233* req# 4.2A-RE
- POS 3424* req# 4.2A-RE
- COP 3034* req# 4.2B-RE
- Elective* Check restrictions
Spring
- POS 3173* req# 4.2A-RE
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions

Senior Year
Fall
- POS 3122* req# 4.2A-RE
- POT 3204* req# 4.3C-RE
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions
Spring
- POS 3173* req# 4.2A-RE
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions

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.
- PSY 4903H Directed Honors readings 3 hrs
- PSY 4970H Honors Thesis 3 hrs

1. UCF General Education Program (36 hrs)
(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
  1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
  2. Select STA 2023 or STA 2014C 3 hrs
D. Social Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs
E. Science Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs

*See Transfer Notes for possible substitutions

2. Common Program Prerequisites (3 hrs)
- BSC 1105* Biological Principles or
- BSC 2010C (if additional Biology courses are planned)
- PSY 2012 General Psychology
- DEP 2004 Developmental Psychology
- STA 2023* Statistical Methods I or STA 2014C
*See Transfer Notes for possible substitutions

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
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 2041C) GEP
   - PSY 2304 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)
   - A. Experimental. Select two of the following: 6-8 hrs
     - EXP 3404 Basic Learning Processes
     - EXP 3204C Perception
     - EXP 3604C Cognitive Psychology
     - PSY 4240C Neuropsychology
     - PSY 3703 Psychology of Language
     - PSY 4215C Advanced Research Methods in Psychology
   - B. Personality/Social. Select one of the following: 3 hrs
     - PPE 3003 Personality Theories
     - SOP 3004 Social Psychology
   - C. Developmental. Select one of the following: 3 hrs
     - DEP 2004 Developmental Psychology
     - DEP 3202 Psychology of Exceptional Children
     - DEP 3464 Psychology of Aging
   - D. Diversity. Select one of the following: 3 hrs
     - CLP 3184 Women’s Mental Health
     - SOP 3742 Psych of Women
     - SOP 3723 Cross Cultural Psychology
     - SOP 3724 Psychology of Racial Prejudice
     - SOP 3784 Psychology of Diversity
   - E. Applied. Select one of the following courses: 3 hrs
     - CLP 3302 Clinical Psychology
     - EXP 3250 Principles of Human Factors Psychology
     - INF 3004 Industrial/Organizational Psychology
   - F. Psychology Elective. Select three additional courses taught by the Psychology department 9-12 hrs
     Note: courses taught by the Psychology department
   - G. Diversity Elective. Select three additional courses taught by the Psychology department

5. Math/Science Electives (6-8 hrs)
   - Select two of the following from outside Psychology
     (See course listing for prerequisites)
     - ANT 2511 The Human Species (satisfies GEP)
     - BSC 1050 Biology & Environment
     - BSC 2011C Biology II
     - BSC 4312C Marine Biology
     - ENV XXXX Any ENV prefix course
     - GEO XXXX Any GEO prefix course
     - PSC 1121 Physical Science (satisfies GEP)
     - PHY 2053C College Physics I (satisfies GEP)
     - CHM 1020* req# 1B1-GEP
     - COP 3223 Introduction to Programming with C
     - COP 3502C Computer Science I
     - COP 3503C Computer Science II
     - MAC 2313 Concepts of Calculus or
     - MAC 2323 Applied Calculus I
     - MCB XXXX Any MCB prefix course
     - PCB 3003 & L Genetics with lab
     - PCB 3703C Human Physiology
     - STA 4102 Computer Process of Stat Data
     - STA 4163 Statistical Methods II
     - STA 4164 Statistical Methods III
     - ZOO XXXX Any ZOO prefix course

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
   - Complete 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 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: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, 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:
   - 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 qualify 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 psychology 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.oas.ufl.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 electives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
   - Fall
     - PHIL 2010* req# 1B3-GEP
     - ENC 1101 Composition I
     - MGF 110X* req# 1C1-GEP
     - POS 2041* req# 1D1-GEP
     - PHY 2053C College Physics I
     - COP 3223 Introduction to Programming with C
     - COP 3502C Computer Science I
     - COP 3503C Computer Science II
   - Spring
     - PHIL 2010* req# 1B3-GEP
     - ENC 1101 Composition I
     - MGF 110X* req# 1C1-GEP
     - POS 2041* req# 1D1-GEP
     - MAC 2323 Applied Calculus I
     - MCB XXXX Any MCB prefix course
     - PCB 3003 & L Genetics with lab
     - PCB 3703C Human Physiology
     - STA 4102 Computer Process of Stat Data
     - STA 4163 Statistical Methods II
     - STA 4164 Statistical Methods III
     - ZOO XXXX Any ZOO prefix course

Sophomore Year
   - Fall
     - EUH 2000* req# 1B1-GEP
     - ENC 1101 Composition I
     - MGF 110X* req# 1C1-GEP
     - POS 2041* req# 1D1-GEP
     - PHY 2053C College Physics I
     - COP 3223 Introduction to Programming with C
     - COP 3502C Computer Science I
     - COP 3503C Computer Science II
   - Spring
     - EUH 2000* req# 1B1-GEP
     - ENC 1101 Composition I
     - MGF 110X* req# 1C1-GEP
     - POS 2041* req# 1D1-GEP
     - MAC 2323 Applied Calculus I
     - MCB XXXX Any MCB prefix course
     - PCB 3003 & L Genetics with lab
     - PCB 3703C Human Physiology
     - STA 4102 Computer Process of Stat Data
     - STA 4163 Statistical Methods II
     - STA 4164 Statistical Methods III
     - ZOO XXXX Any ZOO prefix course

Junior Year
   - Fall
     - PSB 3002 Phys Psychology
     - PSY 3204 Stat Meth in Psych
     - CLP 3302* req# 4E-ResElect
     - Elective* Check restrictions 3
     - Elective* Check restrictions 3
     - Elective* Check restrictions 3
     - Elective* Check restrictions 3
   - Spring
     - PSB 3002 Phys Psychology
     - PSY 3204 Stat Meth in Psych
     - CLP 3302* req# 4E-ResElect
     - Elective* Check restrictions 3
     - Elective* Check restrictions 3
     - Elective* Check restrictions 3

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Public Administration electives are required as follows:

4. Upper Division Electives (39 hrs)

Public Administration electives are required as follows:

- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

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 residence at UCF
- Complete the General Education Program, the Gordon Rule, the CST 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.oceas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 14 hrs  Spring 15 hrs
ENC 1101 3 ENC 1102 3
CGS 1060C 3 MGF 1106 3
POS 2041 3 PSY 2012 3
Sophomore Year
Fall 15 hrs  Spring 15 hrs
SPC 1608 3 PAD 3003 3
EUIH 2000 or HUM 2210 or AMH 2010 or WOH 2012 3
EUIH 2001 or WOH 2022 or HUM 2230 or AMH 2020 3
EUIH 2220 3 AMH 2020 3
EUIH 2230 3 Elective 3
EUIH 2240 3 Elective 3
EUIH 2250 3 Elective 3
BSC 1005 3
Juniors
Fall 15 hrs  Spring 15 hrs
PAD 4104 3 PAD 4104 3
PAD 4414 3 PAD 4414 3
PAD Elective 3 PAD Elective 3
Supporting Elective 3 Supporting Elective 3
Foreign Lang I or B.S. option 4/3 Foreign Lang II or B.S. option 4/3
UCF Degree Programs

Senior Year

Fall  15 hrs    Spring  15 hrs
PAD Elective  3    PAD Internship*  6
PAD Elective  3    PAD Elective  3
Supporting Elective  3    Supporting Elective  3
Supporting Elective  3    Elective  3
Supporting Elective  3

*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.

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

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 term 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

A maximum of 6 credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during “C” term only.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program

(36 hrs)

A. Communication Foundations

Select ENC 1101 & ENC 1102 6 hrs
Select SPC 1608 or SPC 1603 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

2. Common Program Prerequisites

(0 hrs)

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.

3. Core requirements (all areas)

(21 hrs)

a. Select one of the following:

3 hrs

b. Complete all the following:

3 hrs

a. Complete all the following courses:

3 hrs

b. Complete 5 hours from the following:

3 hrs

1. UCF General Education Program

A. Communication Foundations

Select ENC 1101 & ENC 1102 6 hrs
Select SPC 1608 or SPC 1603 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

2. Common Program Prerequisites

(0 hrs)

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.

3. Core requirements (all areas)

(21 hrs)

a. Select one of the following:

3 hrs

b. Complete all the following:

3 hrs

a. Complete all the following courses:

3 hrs

b. Complete 5 hours from the following:

3 hrs

4. Specialization: Select one area

1. Production

(18 hrs)

Select 18 hours from the following:

RTC 3210C Audio Production I 3 hrs
RTC 3228C Studio Television Production 4 hrs
RTC 3232C Lighting for Video 3 hrs
RTC 3260C Single Camera Video Prod & Edit 4 hrs
RTC 3263C Advanced Video Post-Production 3 hrs
RTC 3283C Production of Int. Multimedia 3 hrs
RTC 3942L Practicum 1-3 hrs
RTC 4211C Audio Production II 3 hrs
RTC 4280C Webcasting I 3 hrs
RTC 4281C Webcasting II 3 hrs
RTC 4260C Television Directing 3 hrs
RTC 4271C Radio Production & Programming 3 hrs
RTC 4941 Internship 1-3 hrs

4.2 Broadcast Journalism

(22 hrs)

a. Complete all the following courses:

4 hrs

RTC 2505C Single Camera Video Prod & Edit
RTC 3301 Electronic Journalism I
RTC 3304 Electronic Journalism II
RTC 4320C Television News
MMC 4602 Contemporary Media Issues
b. Complete 5 hours from the following:

3 hrs

3 hrs

RTC 3004 History of American Journalism
RTC 3234C Broadcast Announcing and Performance
RTC 4941 Internship (3 hrs max)
RTC 4700 Regulation of Broadcasting
RTC 4906 Independent Studies (3 hrs max)
RTC 4322C Advanced Television News

4.3 Broadcast Generalist

(18 hrs)

a. Select 12 hours from the following:

12 hrs

RTC 3234C Broadcast Announcing & Performance
RTC 4271C Radio Production & Programming
RTC 4700 Regulation of Broadcasting
RTC 4800 Broadcast Management
ADV 4103 Radio-TV Advertising
CMC 4240 Corporate/Institutional Video
COM 3330 Computer Mediated Comm.
MMC 4253 New Media Technologies
RTC 4941 Internship (3 hrs max)
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)

10. 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/alic/academic_learning_compacts.htm

Equipment Fee
   - Full-time Student .............................................. $90 per term
   - Part-time Student ........................................... $45 per term

RADILOGIC SCIENCES (B.S.)
College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.cohpa.ucf.edu/health/pro/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.

UFC 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 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 (36+2 hrs)
   - A. Communication Foundations
       - 9 hrs
   - B. Cultural Historical Foundations
       - 9 hrs
   - C. Mathematical Foundations
       - 6 hrs
   - Select MAC 1105*
   - Select CGS 1060C
   - Select PHY 2053C*
   - Select PHY 2054C
   - Select ZOO 3733C*
   - Select HSC 4555
   - Select COP 3000
   - Select RTE 3814L
   - Select RTE 3845C
   - Select RTE 3845L

2. Common Program Prerequisites (12 hrs)
   - CGS 1060C Introduction to Computer Science
   - 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
     - RTE 3111C Introduction to Patient Care
     - RTE 3503C Radiographic Procedures I
     - RTE 3116 Advanced Patient Care
     - RTE 3418C Principles of Radiographic Exposure I
     - RTE 3804L Clinical Education I
     - RTE 3513C Radiographic Procedures II
     - RTE 3457C Principles of Radiographic Exposure II
     - RTE 3614 Physics of Image Production
     - RTE 3308 Medical Physics
     - STA 2033 Statistical Methods I
     - HSC 4555 Pathophysiologic Mechanisms
     - RTE 3814L Clinical Education II
   - Senior Level
     - RTE 4563 Special Radiographic Procedures
     - RTE 4782 Pathophysiology
     - RTE 4524L Clinical Education III
     - RTE 4573 Advanced Imaging Modalities
4. Program Exit Requirements (126 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. 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) 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
or
CGS X530, CGS X570, CIS X400, CIS X900, CGS
X000, CGS X061, 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.ceas.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 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 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 301IC  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 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 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 4914  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 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

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 College 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  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

2nd Term  15 hrs
Must complete nine hours in a Summer term
Sophomore
1st Term  15 hrs
ECO 2013 3  ECO 2023 3
ACG 2021 3  ACG 2071 3
Science 3  Science 3
Psy/Soc/Ant 3  FIN 2100 3
Elective*** 3  ECO 3401 3

2nd Term  15 hrs
GER 3031 4  GER 3375 4
REE 3043 3  MAR 3023 4
REE 3433 3  ECO 3411 4
FIN 3403C 4  REE Elective 3

Junior
1st Term  14 hrs
GER 3031 4  GER 3375 4
REE 3043 3  MAR 3023 4
REE 3433 3  ECO 3411 4
FIN 3403C 4  REE Elective 3

2nd Term  15 hrs
Senior
1st Term  15 hrs
GER 3031 4  GER 4720 4
ISM 301IC 4  REE Elective 3
BUL 3130 4  REE Elective 3
REE Elective 3  REE Elective 3

***General electives as required to reach 120 semester hours.
UCF Degree Programs

RELIGIOUS STUDIES (B.A.)
College of Arts and Humanities
Department of Philosophy, PSY 220, 407-823-2273
http://www.cah.ucf.edu/philosophy/
E-mail: religion@mail.ucf.edu

Program Director: Claudia Schippert, E-mail: cschippe@mail.ucf.edu

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      - Select HUM 2210 Humanistic Tradition I
  (3 hrs)
   B. Cultural and Historical Foundations
      - Select HUM 2230 Humanistic Tradition II
  (3 hrs)
   C. Mathematical Foundations
      - Select MGF 1106 Finite Mathematics or MGF 1107
  (3 hrs)
   D. Social Foundations
      - Select HUM 2230 Humanistic Traditions I
  (3 hrs)
   E. Science Foundations
      - Select HUM 2230 Humanistic Traditions II
  (3 hrs)

2. Common Program Prerequisites (24 hrs)
   a. Core
      - Select REL 2300 World Religions
  (3 hrs)
   b. Foundations in the Study of Religion and the Humanities
      - Select three courses from the following list: (9 hrs)

   (1) Religion
      - REL 3131 Religion in America
      - REL 4110 Religion and the Arts
      - PHI 3700 Philosophy of Religion
      - ANT 3241 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 3436 Modern Humanities
      - HUM 3438 Contemporary Humanities
   c. Traditions: Religion in a Global World
      - Select three courses: (9 hrs)

   HUM 3401 Asian Humanities
   HUM 3417 Hindu Thought and Culture
   HUM 3419 Islamic Thought and Culture
   HUM 3562 Christian Thought
   HUM 3563 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
   (2) Religion
      - PHI 3333 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 4552 Religious Quest and the Human Dilemma
      - HUM 4303 The Spiritual Ideal
      - PHI 3672 Animal Ethics

4. Upper Division Restricted Electives (9 hrs)
   Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
   - REL 4941 Spiritual Care Internship
   - HUM 3320 Contemporary Multicultural Studies
   - HUM 4301 The Classical Ideal
   - HUM 4330 Performance Theory
   - PHI 3321 Philosophy of Embodiment: Mind/Body/Self
   - PHI 3629 Family Values
   - PHI 3638 Ethical Issues in the 21st Century
   - PHI 3684 Ways of Living
   - PHM 3200 Philosophy of Love
   - PHI 4341 Ways of Knowing
   - PHI 4804 Critical Theory
   - PHM 3100 Freedom and Justice
   - PHP 3786 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)
   - REL 4910 Senior Research Seminar (3 hrs).
   - Earn a "C" (2.0) or better in each required course.
   - Computer Competency met by REL 4903H, REL 4910, or by STA 1060C.
   - 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 school in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:

   Core, Elective Requirements, and Junior Seminar (36 hrs)
   Same requirements as for regular majors

   Honors Thesis (6 hrs)
   - REL 4903H Honors Directed Readings
   - REL 4970H Honors Thesis

   Additional Requirements
   - Application and admission through the Humanities Honors Coordinator and the Burnett Honors College
   - Fulfill University requirements for Honors in the Major
   - Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5
   - Successful completion and oral defense of Honors Thesis

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.

8. Electives (variable)
   Select primarily from upper level courses, with departmental 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)
### 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>
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<th>Spring</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
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<tr>
<td>HUM 2210 Hum Tradition I</td>
<td>HUM 2230 Hum Tradition II</td>
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<td>MGF 1108* req# 1C-GEP</td>
<td>STA 1060C* req# 1C2-GEP</td>
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<td>REL 2300 World Religions</td>
<td>REL 3111* req# Lang/Elect</td>
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<td>POS 2041* req# 1D1-GEP</td>
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<td>FSC 1112* req# 1E1-GEP</td>
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<td>PSY 2012* req# 1D2-GEP</td>
<td>HUM 3511* req# 3C-Tradns</td>
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<td>HUM 3252* req# 4-ResElect</td>
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<td>JST 3401* req# 3c-Tradns</td>
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<td>REL 3111* req# 4 ResElect</td>
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<td>REL 3115*req#3d-AppL</td>
<td>REL 3432*req#3d-AppL</td>
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<td>PHI 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
     - Select one: PSY 2012, SYG 2000, ANT 2000
   - E. Science Foundation: 6 hrs

2. **Common Program Prerequisites** (3 hrs)
   - HFT 1000 Introduction to Hospitality Management

3. **Foundations**
   - CGS 2100C Computer Fundamentals of Business (GEP)
   - or STA 2023 Statistical Methods I (GEP)
   - ECO 2013 Macroeconomics
   - or ECO 2023 Microeconomics
   - MAC 1105 College Algebra

4. **Hospitality Management Core** (28 hrs)
   - HFT 2401 Hospitality Financial Accounting 3 hrs
   - HFT 2500 Hospitality Marketing 3 hrs
   - HFT 2220 Hospitality Human Resources 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3603 Legal Environment in Hospitality 3 hrs
   - HFT 3431 Hospitality Managerial Accounting 3 hrs
   - HFT 3540 Guest Services Management 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 3933 Distinguished Lectures in Hospitality Mgmt 1 hr

5. **Internship** (3 hrs)
   - HFT 3940 Internship 1 hr
   - HFT 4941 Internship 1 hr
   - HFT 4944 Internship 1 hr

6. **Restaurant Management Core** (24 hrs)
   - FSS 2212C Quality and Presentation 3 hrs
   - HFT 3263 Restaurant Management 3 hrs
   - HFT 4268 Case Studies in Restaurant Management 3 hrs
   - FSS 3124 Supply and Procurement Management 3 hrs
   - HFT 4266 Restaurant Brand Management 3 hrs
   - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
   - HFT 4861C Beverage Management 3 hrs
   - HFT 4844 Sanitation in the Food Service Industry 3 hrs

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.
   - FSS 3232C Intermediate Techniques of Food Production 3 hrs
   - FSS 4286C Catering and Banquet Organization 3 hrs
   - HFT 3807 Multi-Unit Food Service Operations 3 hrs
   - HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
   - HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
   - HFT 3574 Foodservice Marketing, Advertising, and Promotion Management 3 hrs
   - HFT 4269 Case Studies in Multi-Unit Restaurant Mgt 3 hrs
   - HFT 4343 Hospitality Facilities, Planning and Design 3 hrs
   - HFT 3654 Franchising in the Restaurant Industry 3 hrs
   - HFT 4281 Restaurant Leadership and Tactics 3 hrs
   - FSS 3008 Culture and Cuisine 3 hrs
   - HFT 3610 Law and Restaurant Management 3 hrs
   - HFT 3285 International Restaurant Corporation Management 3 hrs
   - HFT 4284 Training and Employee Performance in the Food Service Industry 3 hrs
   - HFT 3834 Topics in Restaurant & Foodservice Management 3 hrs
   - FSS 4135 Corporate Contract & Managed Services Orgs 3 hrs
   - HFT 4864 Anheuser-Busch Seminar in Quality Brewing and Fine Beer 3 hrs
   - HFT 4866C Exploring Wines of the World 3 hrs
   - HFT 4457 Food, Beverage and Labor Cost Control 3 hrs
   - HFT 3868 History of Wine and Culture 3 hrs
   - HFT 4894 International Gastronomy 3 hrs
   - HUN 3013 Nutrition in the Food Service Industry 3 hrs
   - HFT 4865 Advanced Wine Mgmt 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 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.)

Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 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 residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

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: $75 per term
- Part-time Student: $37.50 per term

Four Year Plan of Study for B.S. Restaurant and Food Service Management*
Plan your required nine summer credit hours into your course of study.

**Freshman Year**
- **Fall**
  - ENC 1101 Eng Comp I 3 hrs
  - Cult/Hist Found Sequence I 3 hrs
  - HFT 1000 Intro to Hosp Man 3 hrs
  - PSY 1012 SYG 2003, or ANT 2003 3 hrs
- **Spring**
  - ENC 1102 Eng Comp II 3 hrs
  - Cult/Hist Found Sequence II 3 hrs
  - HFT 2401 Hosp Fin Accnt 3 hrs
  - HFT 2200 Hosp Hum Res Mgmt 3 hrs

**Sophomore Year**
- **Fall**
  - Science Foundation I 3 hrs
  - ECO 2013 or ECO 2023 3 hrs
  - HFT 2323 Restaurant Mgmt 3 hrs
  - HFT 2401 Hosp Fin Accnt 3 hrs
  - HFT 2200 Hosp Hum Res Mgmt 3 hrs
- **Spring**
  - Science Foundation II 3 hrs
  - FSC 1124 Sup & Prod Mgmt 3 hrs
  - HFT 3444 Hosp Info Systems 3 hrs
  - HFT 2500 Hosp Marketing 3 hrs

**Junior Year**
- **Fall**
  - HFT 3540 Guest Svc Mgmt 3 hrs
  - HFT 4266 Rest Brand Mgmt 3 hrs
  - HFT 3431 Hospitality Mgr Acct 3 hrs
  - HFT 4291 Leader Strategies 3 hrs
  - HFT 3405 Internship I 1 hr
  - HFT 3933 Dist Lect in Hosp 3 hrs
- **Spring**
  - HFT 4268 Rest Brand Mgmt 3 hrs
  - HFT 4281 Leadersh Strategies 3 hrs
  - HFT 4844 Internship II 1 hr
  - Unrestricted Electives 5 hrs

**Senior Year**
- **Fall**
  - HFT 4266 Communications 3 hrs
  - Rest & F.S. Elective 3 hrs
  - Rest & F.S. Elective 3 hrs
  - HFT 4844 Internship II 1 hr
  - Unrestricted Electives 5 hrs
- **Spring**
  - HFT 4286 Communications 3 hrs
  - Rest & F.S. Elective 3 hrs
  - Rest & F.S. Elective 3 hrs
  - HFT 4844 Internship II 1 hr
  - Unrestricted Electives 5 hrs

**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 (36-41 hrs)
   - A. Communication Foundation (9 hrs)
     1. ENC 1101 English Composition I 3 hrs
     2. ENC 1102 English Composition II 3 hrs
     3. Select SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B. Cultural-Historical Foundation (9 hrs)
     1. Select: AMH 1408 U.S. History 1492-1877 3 hrs
     2. Select: PHI 2010 Introduction to Philosophy 3 hrs
     3. Select: AMH 2020 U.S. History 1877-present 3 hrs
   - C. Mathematical Foundation (6 hrs)
     1. Select: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
     2. Select: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   - D. Social Foundation (6 hrs)
     1. Select: PSC 2031 American National Government 3 hrs
     2. Select: PSY 2010 General Psychology 3 hrs
   - E. Science Foundation (6-11 hrs)
     1. Select: SCI 1103 General Science 3 hrs
     2. Select: SPC 2023 Principles of Statistics 3 hrs

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

3. Other Program Requirements (12 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - BSC 2010C Biology I eLab 3 hrs
   - BSC 2011C Biology II 4 hrs
   - CHM 2050 Chemistry Fundamentals I 4 hrs
   - PSC 1111 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
   - EDG 4410 Teaching Strats 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 ESL 3 hrs

Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of “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.

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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/clinicalexps/](http://www.education.ucf.edu/clinicalexps/).

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESL in Schools.
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 (Psychology 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/.

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.

Complete the General Education Program, the Gordon Rule, and proficiency in the 12 Florida Educator Accomplished Practices.

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.

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.

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 (Psychology 5-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

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Complete the General Education Program, the Gordon Rule, and proficiency in the 12 Florida Educator Accomplished Practices.
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 (8+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)
EDF 2130 Child & Adolescent Development for Educators 3 hrs
CHM 2045 Chemistry Fundamentals I 4 hrs
PSC 112I Physical Science 1 hr
BSC 2010C Biology I 3 hrs
MAC 1114 College Trigonometry GEP

*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
EDG 4410 Teaching Strategies and Classroom Mgmt 3 hrs
EDG 4467 Learning Theory & Assmt 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 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/clinicalexp/.

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 2050C 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 350i 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 5A-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.oews.ucf.edu/alcomp/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 EDF 2085 Intro to Diversity for Educ 3
ENC 1101 English Composition I 3 ENC 1102 English Composition II 3
PSY 2010 Intro to Philosophy 3 PHI 2010 Intro to Philosophy 3

Sophomore Year
Fall 14 hrs Spring 13 hrs
AMH 2010 U.S. History 1492-1877 3 AMH 2020 U.S. History 1877-present 3
BSC 2010C Biology I w/Lab 4 BSC 2010C Biology I 4
CHM 2045C Chemistry Fundamentals I 3 CHM 2046L Chemistry Fundamentals II 4
PHM 2060P Medical Terminology 3

Junior Year
Fall 16 hrs Spring 14 hrs
EDF 4467 Learn Theory & Assmnt 3 EDF 4467 Learn Theory & Assmnt 3
EDF 4410 Teach Strat & Class Mgmt 3 EDF 4410 Teach Strat & Class Mgmt 3
EXE 4242 Teaching Exceptional Students in Secondary Settings 3
RED 4043 Content Reading K-12 3

Summer 4 hrs
PHY 2050C College Physics I 4

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### UCF Degree Programs

#### 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 GEP
- PSC 112L Physical Science Lab 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP

*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
- 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 Teaching ESOL 3 hrs

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 2045C 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 I 3 hrs
- PHY 2049L Physics Lab for Engineers & Scientists I 3 hrs
- 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 II.

#### 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.)

### 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.

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#### 1. UCF General Education Program (36+1 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundation</td>
<td>(9 hrs)</td>
<td></td>
</tr>
<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>B. Cultural-Historical Foundation</td>
<td>(9 hrs)</td>
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<tr>
<td>1. Prefer: AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
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<tr>
<td>2. Prefer: PH 2010 Introduction to Philosophy</td>
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<tr>
<td>3. Prefer: AMH 2020 U.S. History 1877-present</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>C. Mathematical Foundation</td>
<td>(6-1 hrs)</td>
<td></td>
</tr>
<tr>
<td>1. Select: MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 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>
<tr>
<td>D. Social Foundation</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>1. Prefer: POS 2041 American National Government</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Prefer: PSY 2012 General Psychology</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>E. Science Foundation</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>A. A grade of &quot;C-&quot; (1.75) is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Select: SPC 1121 Physical Science</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Prefer: AN 2511 The Human Species or Species BSC 1005 Biological Principles</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

---

#### 2. Education Common Program Prerequisites (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Note: Students are advised to take the preferred courses.

---

Click here for UCF Degree Programs.
SOCIAL SCIENCE EDUCATION (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/ssed/

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

A. Communication Foundation
- 1. ENC 1101 English Composition I 3 hrs
- 2. ENC 1102 English Composition II 3 hrs
- 3. Prefer ENC 1102

B. Cultural-Historical Foundation
- 1. Select: AMH 2010 U.S. History 1492-1877 3 hrs
- 2. Select: PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundation
- 1. Select: MGF 1106 Finite Mathematics or MGF 1107 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. Select: PSC 1121 Physical Science 3 hrs
- 2. Select: 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

A. Communication Foundation
- 1. ENC 1101 English Composition I 3 hrs
- 2. ENC 1102 English Composition II 3 hrs
- 3. Prefer ENC 1102

B. Cultural-Historical Foundation
- 1. Select: AMH 2010 U.S. History 1492-1877 3 hrs
- 2. Select: PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundation
- 1. Select: MGF 1106 Finite Mathematics or MGF 1107 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. Select: PSC 1121 Physical Science 3 hrs
- 2. Select: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

3. Other Program Requirements

Note: Students should consult advisor regarding course options.

4. Education Core Requirements
### 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.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### 12. Recommended Sequence of Program Courses: Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410 Teaching Strategies</td>
<td><strong>3</strong></td>
<td>EDF 4410 Teaching Strategies</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td><strong>3</strong></td>
<td>ENC 1102 English Composition II</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td><strong>3</strong></td>
<td>POS 2041 American National Gov</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>PSY 1202 General Psychology</td>
<td><strong>3</strong></td>
<td>POS 2041 American National Gov</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></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.

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td><strong>3</strong></td>
<td>AMH 2020 U.S. History 1877-present</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>ECO 2013 Macroeconomics</td>
<td><strong>3</strong></td>
<td>ECO 2013 Macroeconomics</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
<td><strong>3</strong></td>
<td>EDF 2130 Child and Adolescent Devel</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>SYG 2000 General Sociology</td>
<td><strong>3</strong></td>
<td>PHI 210 Intro to Philosophy</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>STA 100C Basic Stat using MS Excel</td>
<td><strong>3</strong></td>
<td>STA 100C Basic Stat using MS Excel</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>STA 2014 Principles of Statistics</td>
<td><strong>3</strong></td>
<td>STA 2014 Principles of Statistics</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>15 hrs</strong></td>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4417 Learn Theory &amp; Asmt</td>
<td><strong>3</strong></td>
<td>EDF 4417 Learn Theory &amp; Asmt</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>EDF 4410 Teach Strat &amp; Class Mgmt</td>
<td><strong>3</strong></td>
<td>EDF 3941 Internship I</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>SSE 4936 Prog Teach Soc Science</td>
<td><strong>3</strong></td>
<td>GED 3471 World Political Geog</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>EUH 2001 Western Civilization II</td>
<td><strong>3</strong></td>
<td>RED 4043 Content Read K-12</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>Upper Div Non Western History Elective (AFH, ASH, LAH 3/4XXX)</td>
<td><strong>3</strong></td>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>15 hrs</strong></td>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safe issues in So</td>
<td><strong>3</strong></td>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safe issues in So</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td><strong>3</strong></td>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>American History Elective (AFH, ASH, LAH 3/4XXX)</td>
<td><strong>3</strong></td>
<td>American History Elective (AFH, ASH, LAH 3/4XXX)</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
<td><strong>Total:</strong></td>
<td><strong>12 hrs</strong></td>
</tr>
</tbody>
</table>

### Field of Concentration

**Upper Level Elective (AFH, ASH, LAH 3/4XXX)**

<table>
<thead>
<tr>
<th>Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>SPC 1608 Fund of Oral Comm</td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>6 hrs</strong></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.

### Program Academic Learning Compacts

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

### Program Admission Requirements

- **none**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**

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**SOCIAL SCIENCES (B.S.)**

**College of Sciences**

**Department of Sociology, PH 403, 407-823-3744**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

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

**Contact:** J. Corzine, 407-823-3744

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 or internship 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 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 3 hrs
     - Prefer MAC 1105 College Algebra (or higher)
   - D. Social Foundations 9 hrs
     - Select STA 1060C or STA 2014C or STA 2023

2. Common Program Prerequisites (9 hrs)
   - ECO 2023 or ECO 2041
   - ANT 2000 or PSY 2012 or SYG 2000
   - *See Transfer Notes

3. Core requirements (3 hrs)
   - STA 1060C or STA 2014C or STA 2023
   - Select one course
     - PSY 2012
     - ECO 2023
     - POS 2041
   - STA 2014C

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
     - COMM 3311 Communication Research Methods 3 hrs
     - Select one course
       - RTV 3007 Dev & Str of Elec Media and New Tech 3 hrs
       - RTV 4403 Electronic Media, Tech., & Soc
       - JOU 3004 History of American Journalism 3 hrs
     - Select three more Communication courses 9 hrs
   - B. Economics
     - *ECO 2013 Principles of Macroeconomics 3 hrs
     - *ECO 2023 Principles of Microeconomics 3 hrs
     - Select three more Economics courses 9 hrs
   - C. Political Science
     - *POS 2041 American National Government 3 hrs
     - Select four more Political Science courses 12 hrs
   - D. Psychology
     - *PSY 2012 General Psychology 3 hrs
     - *PPE 3003 Personality Theory 3 hrs
     - Select three more Psychology courses 9 hrs
   - E. Public Affairs
     - Select one course
       - CCJ 3024 Criminal Justice System 3 hrs
       - PLA 3013 Law and the Legal System 3 hrs
       - PAD 3003 Public Administration in Amer Soc
     - Additional 12 hours of Public Affairs courses 12 hrs
   - F. Sociology/Anthropology
     - *SYG 2000 General Sociology 3 hrs
     - *ANT 2000 General Anthropology 3 hrs
     - Select three additional Sociology/Anthropology courses 9 hrs

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 course (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.oeas.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.coehap.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 should consult with a school advisor.
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program.
- Students must complete all the requirements listed in 1-11 below.

### 1. UCF General Education Program (36 hrs)
- **A. Communication Foundations**
  - Prefer SPC 1608
  - 9 hrs
- **B. Cultural Historical Foundations**
  - 9 hrs
- **C. Mathematical Foundations**
  - Select MGF 1106 Finite Math or MGF 1107
  - Select STA 2043C Principles of Statistics or STA 2023 Statistical Methods
  - 6 hrs
- **D. Social Foundations**
  - 6 hrs
  - 1. Select POS 2041
  - 2. Select PSY 2012
- **E. Science Foundations**
  - Select BSC 1005
  - 6 hrs
- **F. Mathematical Foundations**
  - See Transfer Notes
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

### 2. Common Program Prerequisites* (15 hrs)
- **POS 2041**
  - American Government
  - GEP
- **BSC 1005**
  - Biology
  - GEP
- **ECO 2013 or ECO 2023**
  - Macroeconomics or Microeconomics
  - 3 hrs
- **PSY 2012**
  - Psychology
  - GEP
- **SYG 2000**
  - Sociology
  - 3 hrs

*See Transfer Notes

### 3. Core Requirements (45 hrs)
- **SOW 3104**
  - Assessing I: Human Development
  - 3 hrs
- **SOW 3203**
  - Social Work and Community Resources
  - 3 hrs
- **SOW 3300**
  - Practice I: Generalist Practice in Social Work
  - 3 hrs
- **SOW 3311**
  - Assessing II: Human Systems
  - 3 hrs
- **SOW 3352**
  - Practice II: Interpersonal Skills in Social Work Practice
  - 3 hrs
- **SOW 3401**
  - Social Work Research
  - 3 hrs
- **SOW 3620**
  - Social Work with Diverse Populations
  - 3 hrs
- **SOW 4730**
  - Documentation in Social Work Practice and Service Programs
  - 3 hrs
- **SOW 4823**
  - 3 hrs
- **SOW 4341**
  - Micro-level Roles and Interventions
  - 3 hrs
- **SOW 4343**
  - Macro-level Roles and Interventions in Social Work
  - 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
- **SOW 4522**
  - Field Education Seminar
  - 3 hrs

### 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.

**Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for 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 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)

**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 COHPA 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
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](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>BSC 1005</td>
<td>3</td>
<td>BSC 1106</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SYG 2000 or PSY 2012</td>
<td>3</td>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STA2014C</td>
<td>3</td>
<td>MUL 2010 or THE 2000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
<td>or REL 2300 or PHI 2100</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>POS 2041</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 or ECO 2023</td>
<td>3</td>
<td>Foreign Lang II or</td>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>EUH 2000 or WOH 2012 or HUM 2210 or AMH 2010</td>
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255
UCF Degree Programs

**SOCIOMETRY (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**

- **Major:**
  - 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** (36 hrs)
   - A. Communication Foundations
     - 9 hrs
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - 1. Prefer MAC 1105 (or higher)
       - 3 hrs
     - 2. Prefer STA 2014C
       - 3 hrs
   - D. Social Foundations
     - 1. Select a listed course
       - 3 hrs
     - 2. Select SYG 2000
       - 3 hrs
   - E. Science Foundations
     - 6 hrs

2. **Common Program Prerequisites** (3 hrs)
   - SYG 2000* General Sociology
   - Any SYA, SYD, SYG, SYO, or SYP course
   - 3 hrs
   *See Transfer Notes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core requirements** (15 hrs)
   - SYG 2000 General Sociology
   - SYA 4300C Applied Social Statistics
   - SYA 4300C Research Methods
   - SYA 4550 Data Analysis
   - SYA 3110 Social Theory
   - 3 hrs

4. **Restricted Electives** (27 hrs)
   - 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
     - SYO 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.
   - All special topics courses with the prefixes SYA, SYD, SYG, or SYP count toward the restricted electives requirement.

5. **Departmental Exit Requirements**
   - A minimum GPA of 2.0 in all courses used for the major.
   - A minimum grade of “C” (2.0) in all core courses.
   - Computer Competency met by SYA 4450.
   - Students will be required to take a standard exit exam in their graduating semester.

**UCF Degree Programs**

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**E-mail: sociology@mail.ucf.edu**
6. 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 three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. These 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:** Anthropology, Criminal Justice

**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, 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 (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.deas.ucf.edu/alc/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

**Spring**

- ENC 1102 Composition II 3
- STA 204C Print of Statistics 3
- SYG 2010 Social Problems 3
- POS 2041* req# 1D1-GEP 3

**Sophomore Year**

**Fall**

- ANT 2511* req# 1E2-GEP 3
- EUH 2001* req# 1B1-GEP 3
- SYD 3100* req# 4-ResElect 3
- Elective* Check restrictions 3

**Spring**

- COM 1000* req# 1A3-GEP 3
- REL 2200* req# 1B2-GEP 3
- SYD 3240* req# 4-ResElect 3
- Elective* Check restrictions 3

**Junior Year**

**Fall**

- PSC 1121* req# 1E1-GEP 3
- SYA 3400C Res Methods 4
- SYD 3410* req# 4-ResElect 3
- SYA 3400C Res Meth & Stat 4

**Spring**

- PHI 2010* req# 1B3-GEP 3
- SYA 3110 The Dev of Soc Th 3
- SYA 4450 Data Analysis 4
- SYA 4100* req# 4-ResElect 3

**Senior Year**

**Fall**

- SYA 3120* req# 4-ResElect 3
- SYO 3300* req# 4-ResElect 3
- Elective* Check restrictions 3

**Spring**

- SYP 3510* req# 4-ResElect 3
- SYP 4000* req# 4-ResElect 3
- Elective* Check restrictions 3

**SPANISH (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages & Literatures**

**CNH 523**

http://mll.cah.ucf.edu/

E-Mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

**Admission 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. 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
- 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** (0-14 hrs)

- SPN 1120C* Elem Spanish Lang & Civ I 4 hrs
- SPN 1121C* Elem Spanish Lang & Civ II 4 hrs
- SPN 2200* Intern Spanish Lang & Civ I 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 and 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.
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

Admission: Met by Graduation requirements.
Graduation: Met by Common Program Prerequisites.

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 course work must be completed in residency at UCF
- A maximum 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

University Minimum Exit Requirements

- 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

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

Admission: Met by Graduation requirements.
Graduation: Met by Common Program Prerequisites.

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 course work must be completed in residency at UCF
- A maximum 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

University Minimum Exit Requirements

- 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)

3. Sports and Fitness Pre-requisite Courses (3 hrs)
   PET 3137 Concepts and Practices in Sports and Fitness

Note: Students who transfer from another institution may be permitted to take the prerequisite 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)
   PET 2622C Human Injuries
   ZOO 3736C Exercise Physiology Anatomy

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)
   SPM 3504 Fiscal and Facilities Issues in Sports and Fitness
   SPM 4401 Administration & Evaluation in Physical Education
   SPM 4723 Legal issues in Sports and Fitness

6. Specialization (33 hrs)
   
   Select one Specialization and Electives – approved by advisor
   Coaching
   
   PET 3765 Coaching Theory
   PET 3771 Fitness and Conditioning Concepts
   PET 4215 Motivational Aspects of Athletic Performance
   PET 4312 Biomechanics
   PET 4763 Coaching Methods and Principles
   SPM 3204 Sports and Ethics
   SPM 3415 Public Relations in Sports and Fitness

   Coaching Specific Class
   Select one (as approved by advisor)
   PEO 2624 Coaching Basketball
   PEO 3324 Coaching Volleyball
   PEO 3644 Coaching Football

   Select nine hours of electives (as approved by Advisor) 9 hrs

   Fitness Training
   PET 3361 Nutrition for Sports and Fitness
   PET 3771 Fitness and Conditioning Concepts
   PET 3768 Group Exercise Instruction
   PET 4083 Practical Fitness Training
   PET 4351C Applied Exercise and Human Physiology
   PET 4550 Fitness Assessment
   PET 4312 Biomechanics
   PET 4215 Motivational Aspects of Athletic Performance
   SPM 3415 Public Relations in Sports and Fitness

   Select six hours of electives (as approved by Advisor) 6 hrs

   Physical Activity & Movement for Children
   DAE 3370 Dance and Rhythms
   PEO 3041 Games Analysis
   PET 3820 Teaching Sports Skills I

Physical Human Performance
   PET 3361 Nutrition for Sports and Fitness
   PET 3771 Fitness and Conditioning Concepts
   PET 4215 Motivational Aspects of Athletic Performance
   PET 4312 Biomechanics
   PET 4351C Applied Exercise and Human Physiology
   PET 4550 Fitness Assessment
   PET 4625 Human Injuries - Mechanisms and Prevention

   Select twelve hours of electives (as approved by Advisor) 12 hrs

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

11. Recommended Four-Year Sequence of Courses

   Freshman Year
   Fall
   PSY 2012 General Psychology 3 hrs
   ENC 1101 English Composition I 3 hrs
   ART 1005 Introduction to Art 3 hrs
   Select twelve hours of electives (as approved by Advisor) 12 hrs

   Spring
   ENC 1102 English Composition II 3 hrs
   ECS 1000 Computer Concepts 3 hrs
   SPC 1608 Fund of Oral Comm 3 hrs

   Sophomore Year
   Fall
   PSC 1121 Physical Science 3 hrs
   PET 3765 Coaching Theory 3 hrs
   PEO 3041 Games Analysis 3 hrs
   Select twelve hours of electives (as approved by Advisor) 12 hrs

   Spring
   PET 4002 Outdoor and Leisure Activities 3 hrs
   PET 3415 Public Relations in Sports and Fitness 3 hrs
   Select six hours of electives (as approved by Advisor) 6 hrs

   Junior Year
   Fall
   SPC 2010C Biology I 3 hrs
   PET 3137 Concepts & Prac in Sports & Fit 3 hrs
   GEP B.1 3 hrs

   Spring
   PET 3415 Public Relations in Sports and Fitness 3 hrs
   PET 4002 Outdoor and Leisure Activities 3 hrs
   SPC 2010C Biology I 3 hrs

   Senior Year
   Fall
   SPC 2010C Biology II 3 hrs
   PEO 3324 Coaching Volleyball 3 hrs
   PEO 3644 Coaching Football 3 hrs

   Spring
   PET 4002 Outdoor and Leisure Activities 3 hrs
### UCF Degree Programs

#### Summer
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### STATISTICS (B.S.)

#### College of Sciences

Department of Statistics and Actuarial Science

CC II 212, 407-823-2289

http://www.cos.ucf.edu/statistics

E-mail: statistics@ucf.edu

Contact: Xiaogang Su, 407-823-2940

#### Admission Requirements

- none

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by, the Statistics Department at UCF.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department.
- Students must earn at least a “C” (2.0) in each STA course.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 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 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
  - Select STA 2023
  - D. Social Foundations | 6 hrs
  - E. Science Foundations | 8 hrs
    - Select PHY 2053C or CHM 2045C*
    - Select BSC 2010C
    - *CHM 2045C plus CHM 2041C can substitute for CHM 2045C

#### 2. Common Program Prerequisites (7 hrs)

- COP 6052C* | Computer Science I | 3 hrs
- MAC 2311 | Calculus with Analy Geo I | GEP
- MAC 2312 | Calculus with Analy Geo II | 4 hrs
- BSC 2010C* | Biology I | GEP
- *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 | GEP |
| STA 4102 | Computer Process of Stat Data | 3 hrs |
| STA 4163 | Statistical Methods II | 3 hrs |
| STA 4164 | Statistical Methods III | 3 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |
| COP 4500 | Numerical Calculus | 3 hrs |
| MAC 2313 | Calculus with Analy Geo III | 4 hrs |
| ENC 3241 | Writing for the Tech Professional | 3 hrs |

- CHM 2045C or PHY 2053C | GEP
- COP 3223* | Intro to Programming in C* | 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 |
- MSH 3302 | Logic and Proof in Mathematics |

**c. Select three from among the following:**

- STA 2096 | 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) |

**e. Select one course**

- 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 5525), 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 MAF courses, and MIF 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:
Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e., an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAST or CLAST alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should consult with an Education advisor prior to registration.

This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

### 1. UCF General Education Program*

- Communication Foundation (9 hrs)
  1. ENC 1101 English Composition I 3 hrs
  2. ENC 1102 English Composition II 3 hrs
- Cultural-Historical Foundation 9 hrs
- Mathematical Foundation 6 hrs
- Social Foundation 6 hrs
- Science Foundation 6 hrs

### 2. Common Program Prerequisites

- 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

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

### 3. Program Core Requirements

- EVT 3385 Gen Method/Test Eval 3 hrs
- EVT 3062 Professional Role Voc Ed Teacher 3 hrs
- EVT 3502 Special Needs Voc Ed Students 3 hrs
- EVT 4065 PingProj Technical Ed 3 hrs
- EVT 4368 Adv Teach/Techniques in Voc Ed 3 hrs
- EVT 3367 Eval Vocation Training 3 hrs
- EVT 4169 Curr Dev of Ind Training 3 hrs
- ADE 4382 Teaching Adult Learners 3 hrs

Select one:

- EVT 3312 Course Const Health Occ Ed or
- EVT 3371 Course Const Industrial Ed or
- BTE 4410 Course Const Business Ed

### 4. Technical Specialization Requirements

Students must complete an area of specialization through one of the following routes:

- Occupation-specific courses
- Recognized occupational license/registration/certification
- Occupational examination
- Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

### 5. Upper Division Electives (6 hrs)

(with advisor's approval)

### 6. Directed Field Experience (12 hrs)

- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

### 7. 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.)

### 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)

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**Technical Education and Industry Training (B.S.)**

College of Education

Department of Teaching and Learning Principles, ED 209


Program Coordinator: Dr. Jo Ann M. Whiteman, ED 115D, 407-823-2848 or 407-325-6293; E-mail: jwhitema@mail.ucf.edu

This program offers upper division courses via the World Wide Web. 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/](http://distrib.ucf.edu/home/).

Admission Requirements

- Complete the General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAST or CLAST alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should consult with an Education advisor prior to registration.
## UCF Degree Programs

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

#### 11. Recommended Sequence of Program Courses:

##### Freshman Year

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<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<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>
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<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 2014C Principles of Statistics</td>
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<tr>
<td>Social Foundations Course</td>
<td>3</td>
<td>Cultural-Historical Found Course</td>
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<tr>
<td></td>
<td>3</td>
<td>Social Foundations Course</td>
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##### Sophomore Year

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<th>12 or 16 hrs</th>
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<tbody>
<tr>
<td>EDF 2050 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>
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<tr>
<td>Technical Specialization Course</td>
<td>3</td>
<td>Technical Specialization Course</td>
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<td>Technical Specialization Course</td>
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<td>Technical Specialization Course</td>
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<tr>
<td>Foreign Lang Course (if needed)</td>
<td>4</td>
<td>Foreign Lang Course (if needed)</td>
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<tr>
<td>Summer</td>
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<td></td>
<td></td>
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<tr>
<td>EVT 3502 Special Needs Voc Ed Studen 3</td>
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<td>Select one:</td>
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<tr>
<td>EVT 3312 Course Const Health Occ Ed or</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EVT 3371 Course Const Industrial Ed</td>
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##### Junior Year

<table>
<thead>
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<tbody>
<tr>
<td>EVT 3365 Gen Method/Test Eval</td>
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<td>EVT 3365 Prof Role Voc Ed Teacher</td>
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<td>Technical Specialization Course</td>
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<td>EVT 3367 Eval Vocation Training</td>
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<tr>
<td>Summer</td>
<td>6 hrs</td>
<td></td>
<td></td>
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<tr>
<td>EVT 4065 Prinicip/Prac Technical Ed</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>EVT 4169 Curr Dev of Ind Training</td>
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##### Senior Year

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<th>Spring</th>
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<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 4368 Adv Teach/Tech in Voc Ed</td>
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<tr>
<td>Upper Division Elective</td>
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<tr>
<td>Upper Division Elective</td>
<td>3</td>
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</tbody>
</table>

It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.

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**THEATRE (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre, UCT 180, 407-823-2862**

[http://www.theatre.cah.ucf.edu](http://www.theatre.cah.ucf.edu)

**Acting:** Be Boyd, 407-823-2862, E-mail: bboyd@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](http://www.theatre.ucf.edu).

An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu) for details and to schedule an appointment.

Design 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](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 interview.

All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

Departmental scholarship applications are due by 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 in 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 departmental advisor may 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.

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[2009-2010 Undergraduate Catalog](#)
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 (36 hrs)

A. Communication Foundations
- DAA 2100C Modern Dance I
- DAA 2570C Jazz Dance I
- DAA 2200C Ballet I

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

C. Mathematical Foundations
- Select MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)
- Select STA 1060 Statistics Using Excel

D. Social Foundations
- Select one course from 1.B.1 list

E. Science Foundations

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

- THE 2020* Survey of Theatre for majors
- THE 2304* Script Analysis
- THE 2090L Theatre Participation - Management I
- TPA 2290L Theatre Participation - Production I
- TTP 2190L Theatre Participation - Performance I
- TTP 3310C* Directing I
- TTP 2110C Acting I - Introduction
- TPA 2210 Stagecraft I
- TPA 2201 Technical Theatre Production
- TPA 2201L Technical Theatre Production LAB
- TPA 2170C Acting II - The Actor Prepares
- TTP 2248C Makeup Techniques
- DAA 2200C Ballet I
- TTP 2710C Voice Production I

### 3. Core Requirements (9 hrs)

- THE 3311 Theatre History and Dramatic Literature I
- THE 3312 Theatre History and Dramatic Literature II
- THE 3313 Theatre History and Dramatic Literature III

### 4A. Specialization: select one area (66 hrs)

#### Acting Specialization
- TPA 2201 Technical Theatre Production
- TPA 2201L Technical Theatre Production LAB
- TTP 2170C Acting II - The Actor Prepares
- TTP 2248C Makeup Techniques
- DAA 2200C Ballet I
- TTP 2710C Voice Production I

#### Design Specialization
- TPA 4061C Scene Design for Theatre II
- TPA 3077C Scene Painting
- TPA 3383C Topics in Technical Theatre
- TPA 3260C Sound Design for Theatre I

#### Stage Management Specialization
- TPA 2210 Stagecraft I
- TPA 2211 Stagecraft II

#### Corporate Management Specialization
- TPP 2170C Acting II - The Actor Prepares

#### 4B. Restricted Electives (except where required by a specialization - see specializations for credit hours)

Choose from the following:

- THE 3230 Cultural Diversity in Theatre
- THE 4093L *-THE 4093L – or - TTP 4193L
- TPP 4268 Acting VII for TV/Film
- TPP 4140C Acting III - Building the Character
- TPP 3172C Acting - III - Building the Character
- TPP 3310C Movement for the Actor I
- TPP 3313C Movement for the Actor II
- TPP 3522C Stage Combat
- TPP 3257C Music Theatre Voice I
- TPP 3258C Musical Theatre Voice II
- THE 3711C Voice Production II
- THE 3712C Voice Production III
- THE 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
- TPP 4166C Acting VIII for TV/Film
- TPP 4221 Auditioning
- TPP 4223C Theatre Careers for Performance
- DAA 2570C Jazz Dance I or II
- TPP 4293L Stagecraft I or II
- TTP 4193L – or - TTP 4193L
- DAA 2100C Modern Dance I
- TTP 4293L – or - TTP 4193L – or - TTP 4193L

Restricted electives (see list of courses)
### UCF Degree Programs

#### 6. University Minimum Exit Requirements
- **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
  - **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.oaes.ucf.edu/alac/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alac/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](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 serve the artistic growth of students, coordinating production experience with classroom exploration.

#### Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at [http://www.theatre.ucf.edu](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](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-

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### Related Programs
- Art, Film, Music, Theatre Studies BA

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### Natural Text

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<tr>
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<th>Course Title</th>
<th>Hours</th>
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<td>Costume Design for Theatre I</td>
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<tr>
<td>TPA 3211C</td>
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<td>TPA 3261C</td>
<td>Costume Design for Theatre II</td>
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<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
<td>3</td>
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<tr>
<td>TPA 4264C</td>
<td>Sound Design for Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
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</tr>
<tr>
<td>TPA 5135L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
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<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
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<td>TPA 2600</td>
<td>Stage Management Basics</td>
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<td>TPA 3601</td>
<td>Stage Management</td>
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<td>TPA 4400</td>
<td>Theatre Management</td>
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<td>TPA 4293L</td>
<td>Theatre Participation - Production II</td>
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</tr>
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<td>TPP 3197L</td>
<td>Summer Theatre Performance</td>
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</tr>
<tr>
<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
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</tr>
<tr>
<td>TPP 4268C</td>
<td>Acting VII for TV/Film</td>
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</tr>
<tr>
<td>THE 4284</td>
<td>Costume, Architecture, Decor History I</td>
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<td>THE 4285</td>
<td>Costume, Architecture, Decor History II</td>
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<tr>
<td>TPP 4143C</td>
<td>Acting Styles</td>
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<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<tr>
<td>TPA 2248C</td>
<td>Makeup Technique</td>
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<tr>
<td>TPE 2025</td>
<td>Introduction to Theatrical Design</td>
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<tr>
<td>TPA 4311C</td>
<td>Advanced Directing</td>
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</tr>
<tr>
<td>TPA 4193L</td>
<td>Theatre Participation - Performance II</td>
<td>1</td>
</tr>
<tr>
<td>THE 3905*</td>
<td>Independent Study</td>
<td>1-9</td>
</tr>
<tr>
<td>DAA 4905*</td>
<td>Independent Study</td>
<td>1-9</td>
</tr>
<tr>
<td>THE 4912*</td>
<td>Undergraduate Research</td>
<td>3-6</td>
</tr>
<tr>
<td>DAA 4912*</td>
<td>Undergraduate Research</td>
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</tr>
<tr>
<td>Honors in the Major Directed Readings and Thesis*</td>
<td>3-6</td>
<td></td>
</tr>
</tbody>
</table>

*Other THE, TPA, DAA or DAN courses as approved by the department requires instructor and departmental approval in advance

### Design Electives (for Design & Technology Specialization)

Select at least two level one courses and one level two course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TPA 3060C</td>
<td>Scene Design for Theatre I</td>
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<td>TPA 3040C</td>
<td>Costume Design for Theatre I</td>
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<tr>
<td>TPA 3211C</td>
<td>Lighting Design for Theatre I</td>
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<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4061C</td>
<td>Scene Design for Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4041C</td>
<td>Costume Design for Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
<td>3</td>
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<tr>
<td>TPA 4264C</td>
<td>Sound Design for Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
<td>3</td>
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<tr>
<td>TPA 3221C</td>
<td>Lighting Design for Theatre I</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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

### 4C. Design Electives for Design & Technology Specialization

Select at least two level one courses and one level two course
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 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 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated (General Education Program) are taken throughout all four years.

1. UCF General Education Program (36 hrs)

| A. Communication Foundations | 9 hrs |
| Select one course from 1.B.1 list | 3 hrs |
| Select one course from 1.B.1 or 1.B.2 list | 3 hrs |

| B. Cultural and Historical Foundations | |
| Select one course from THE 2020 | 3 hrs |
| Select one course from 1.B.1 list | 3 hrs |
| Select one course from 1.B.1 or 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | |
| 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 |
| TPA 2290L | Theatre Participation - Production I | 1 hr |
| TPA 2190L | Theatre Participation - Performance I | 1 hr |
| TPA 2201* | Technical Theatre Production | 2 hrs |
| TPA 2201L | Technical Theatre Production Lab | 1 hr |
| TPA 33100* | 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 |
| TPP 3257C | Musical Theatre Voice I | 2 hrs |
| TPP 3258C | Musical Theatre Voice II | 2 hrs |
| TPP 4259C | Musical Theatre Voice III | 2 hrs |
| TPP 4292C | Musical Theatre Voice IV | 2 hrs |
| TPP 4270C | Musical Theatre Voice V | 2 hrs |
| TPP 4271C | Musical Theatre Voice VI | 2 hrs |
| TPP 4746C | Musical Theatre Voice VII | 2 hrs |
| TPP 4940L | Theatre Internship | 6 hrs |

4A. Movement Electives (2 hrs)

| TPP 4533C | Period Movement | 2 hrs |
| 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 |
| DAN 3612 | Dance Improvisation/Composition I | 3 hrs |
| DAA 2100C | Modern Dance I | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |
| DAA 2521C | Tap Dance II | 2 hrs |
| DAA 3524C | Tap Dance III | 2 hrs |
| DAA 3028C | Ballet I | 2 hrs |
| DAA 3029C | Ballet II | 2 hrs |
| DAA 2101C | Modern Dance II | 2 hrs |
| DAA 3019C | Modern Dance III | 2 hrs |
| DAA 2393C | World Dance | 2 hrs |
| DAA 3645 | Choreography Practicum | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |
| TPP 3720C | 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 3230* | Contemporary Theatre | 3 hrs |
| TPA 3195L | Summer Theatre Studio/Design | 3 hrs |
| TPA 3197L | Summer Theatre/Studio - Design | 3 hrs |
| TPA 3197L | Summer Theatre/Performance | 3 hrs |
| TPP 3952L | Summer Studio Performance | 3 hrs |
| TPP 4143C | Acting Styles | 3 hrs |
| TPA 2600* | Stage Management Basics | 3 hrs |
| TPA 4400 | Theatre Management | 3 hrs |
| THE 4284 | Costume, Architecture, Decor History I | 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.
- 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

Related Programs: Film, Music, Theatre Studies BA

Related Minors: Music, Film, 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.
- 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 or THE 2304: may use THE 2300.
- 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.oeas.ucf.edu/acl/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.ca.h.ucf.edu

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.

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.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.

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
   C. Mathematical Foundations 6 hrs
   D. Physical Education 3 hrs
   E. Science Elective 3 hrs
   F. World History 3 hrs
   G. Social Science 3 hrs
   H. U.S. History 3 hrs
   I. UCF Writing Intensive Course 3 hrs

   Acceptable Substitutes for 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.
D. Social Foundations  
E. Science Foundations  

2. Common Program Prerequisites (18 hrs)
- THE 2020* Survey of Theatre for majors GEP
- THE 2304 Script Analysis 3 hrs
- THE 2309L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation - Production I 1 hr
- TPP 2105L Theatre Participation - Performance I 1 hr
- TPA 2201L Technical Theatre Production 2 hrs
- TPA 2203L 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 - Performance I 1 hr
- TPA 2293L Theatre Participation - Production I 1 hr
- TPA 4193L Theatre Participation - Production II 1 hr
- THE 5307* Contemporary Theatre 3 hrs
- TPA 2248C* Makeup Techniques 3 hrs
- THE 4264 Costume, Architecture, Decor History I 3 hrs
- THE 4285 Costume, Architecture, Decor History II 3 hrs
- TPA 3195L Summer Theatre Studio/Design I 3 hrs
- TPA 3197L 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 3197L Summer Theatre Performance 3 hrs
- TPA 3952L Summer Studio Performance 3 hrs
- TPP 4311C* Advanced Directing 3 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

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 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: 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.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ............................................. $30 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 Humanics
- 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
- 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

#### Certificates
- 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

#### 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
21 hrs

Required Courses
(9 hrs)
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 or 3 hrs
ACG 3361 Intermediate Managerial Accounting

Restricted Electives
(12 hrs)
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 3201 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 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.

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
16 hrs

Required Courses
(16 hr)
AFR 1101C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2103C The Development of Air Power I 1 hr
AFR 2131C The Development of Air Power II 1 hr
AFR 3220C Air Force Leadership and Management I 3 hrs
AFR 3230C Air Force Leadership and Management II 3 hrs
AFR 4201C Nat Scrty Affairs & Prep for Active Duty I 3 hrs
AFR 4210C 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
18 hrs

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 3 hrs
AFA 2300 African American Music 3 hrs
AFA 3955 Study Abroad in the Caribbean 3 hrs
AFA 4105 Documenting African American Heritage and Life 3 hrs
AH 3100 African History to 1870 3 hrs
AH 3200 African History Since 1870 3 hrs
AH 5806 History of Slavery in Africa 3 hrs
AMH 3403 History of the South Since 1865 3 hrs
AMH 3572 Black American History II 3 hrs
AML 3614 Topics in African-American Literature 3 hrs
AML 3615 Harlem, Haiti, & Havana 3 hrs
ANT 3316 Black and Seminole Relations 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ARN 3520 African Art 3 hrs
INR 3253 International Politics of Africa 3 hrs
FIL 3831 Black Cinema 3 hrs
LH 3470 History of the Caribbean 3 hrs
LAS 4023 Afr Caribbean Experience 3 hrs
LIT 3192 Caribbean Literature 3 hrs
MUL 2016 Evolution of Jazz 3 hrs
POS 4622 Politics &Civil Rights 3 hrs
PUP 3314 Minorities in American Politics 3 hrs
SOP 3724 The Psychology of Racial Prejudice 3 hrs
SYD 3700 Race and Ethnic Minorities in the U.S. 3 hrs

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 toward 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 leading 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 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 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
Other Requirements

- Open to undergraduates with senior standing

GEY 5007* Women and Aging   3 hrs
SYP 4730 Sociology of Aging   3 hrs
DEP 3464 Psychology of Aging   3 hrs

Other Colleges

PLA 4530 Legal Issues of the Elderly  3 hrs
NUR 4286 Gerontologic Nursing   3 hrs
HSC 4564 Health Care Needs of the Elderly  3 hrs
HSA 4220 Long Term Care Management  3 hrs
HSA 4229 Long Term Administration  3 hrs

Electives

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 Management  3 hrs
HSA 4229 Long Term Administration  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
PLA 4530 Legal Issues of the Elderly  3 hrs
SOW 4645 Social Services for the Elderly  3 hrs

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

AMERICAN SIGN LANGUAGE AND DEAF STUDIES:

Minor

College of Health and Public Affairs
Department of Communication Sciences and Disorders, HPAA, Suite 101
http://www.coahpa.ucf.edu/comdis

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@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, 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  18 hrs

Required Courses  (9 hrs)

AMERICAN STUDIES: Minor

College of Arts and Humanities
http://www.cah.ucf.edu

Contact: Lyman Brodie, CAH 190, 407-823-2292, E-mail: lbrodie@mail.ucf.edu

Credit Hour Requirements  21 hrs

Required Courses  (9 hrs)

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 credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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  (12 hrs)

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:  (6 hrs)

ANT 2000 General Anthropology
ANT 2100 Archaeology & Rise of Human Culture

Select from the following  (12 hrs)

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 Primateology
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 4526C Advanced Forensic Anthropology
ANT 4568 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/Seminoles Relations
ANT 3318 Indians of the Northwest Coast
ANT 3320 Indians of the Southwest
ANT 3364 Ancient Incas
ANT 4332 Peoples and Culture 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 3363 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
ANT 4354 Postcolonial Africa
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  (3 hrs)
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 4302 Sex, Gender and Culture
ANT 3312 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/Seminoles Relations
ANT 3319 The Anthropology of Diaspora
ANT 3541 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  (15 hrs)
ARH 2050 The History of Art I  3 hrs
ARH 2051 The History of Art II  3 hrs
ARH 4310 Italian Renaissance Art  3 hrs
ARH 4430 19th Century Art  3 hrs
ARH 4450 20th Century Art  3 hrs

Non-western Course Requirement  (3 hrs)
Select from the following:
ARH 4545 Art of India
ARH 3520 African Art
ARH 4655 Meso American Art
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 3XXX-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
Six 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 hours
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.

• Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

ASTRONOMY: Minor
College of Sciences
Department of Physics, 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 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.

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)
PHY 2048 Physics for Engineers and Scientists 3 hrs
PHY 2048L Physics Laboratory for Engineers and Scientists 1 hr
PHY 2049 Physics for Engineers and Scientists II 3 hrs
PHY 2049L Physics Lab for Engineers and Scientists II 1 hr
BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
### 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

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<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs*</td>
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<tr>
<td>CHM 2041C</td>
<td>Chemistry Fundamentals II</td>
<td>4 hrs*</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry</td>
<td>3 hrs**</td>
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<td>PCB 3063</td>
<td>Genetics</td>
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<td>PCB 3064</td>
<td>Cell Biology</td>
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<td>PCB 3065</td>
<td>Experimental Biology</td>
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</tr>
<tr>
<td>PCB 3066</td>
<td>Genetics</td>
<td>3 hrs</td>
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*These courses are included in the degree requirements for the Bachelor of Science degree in Engineering.

**Other Requirements**

- In addition to the identified courses above, this course is included in the degree requirements for the Bachelor of Science in Environmental Engineering.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Courses transferred must be formally evaluated for equivalency.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Biology or Biology Preprofessional majors.

### Business: Minor

**College of Business Administration, BA2 101**  
_Not available to Business majors_

**Contact:** Undergraduate Student Services, BA2 101, 407-823-2184

**Required Accounting Courses**

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<tr>
<td>ACG 3071</td>
<td>Principles of Managerial Accounting</td>
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**Required Courses**

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<td>FIN 3403C</td>
<td>Business Finance</td>
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<td>MAN 3025</td>
<td>Management of Organizations</td>
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<td>MAR 3023</td>
<td>Marketing</td>
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**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Courses transferred must be formally evaluated for equivalency.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Biology or Biology Preprofessional majors.

### Chemistry: Minor

**College of Sciences**  
**Department of Chemistry, CH 117**  
_http://www.cos.ucf.edu/chemistry_  
**E-mail:** chemistry@ucf.edu  
Contact: Cherie Geiger

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<th>Course Title</th>
<th>Credits</th>
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<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelor of Science degree in Chemistry must be completed in order for the minor to be awarded.
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: Debbi 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

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
*PET 2622C Human Injuries  3 hrs
PET 3705 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 3324 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 3230 Philosophy of Mind (PR: PHI 2010 or C.I.)
PHI 3232 Minds and Machines (PR: PHI 2010 or C.I.)
PHI 4341 Ways of Knowing (PR: PHI 2010)
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 Introduction to 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 3100 Principles of Linguistics (PR: ENC 1102)
LIN 3716 Language Development: Birth Through 8 Years (PR: DEP 2004)
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
CAP 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 COP 2000C 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 2010, PHI 2011, PHI 2101, or C.I.)
MAP 4123 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
HPA2, Suite 301
Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jscwartz@mail.ucf.edu

Credit Hour Requirements 22 hrs
Required Courses
- SPA 3471 Communication Disorders In Literature and Media 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- LIN 3716 Language Development: Birth Through 8 Years 3 hrs
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Other Requirements
- A minimum grade of "C" (2.0) 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.

Licensed Speech-Language Pathology and Audiology Assistant
This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.

COMMUNITY ARTS—PAVE: Minor
College of Arts and Humanities
Department of Art, VAB 117
http://www.art.ucf.edu/
E-mail: art@ucf.edu
Contact: Janet Kilbride, 407-823-2676

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.

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 (6 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

Restricted Electives (12 hrs)
Two of the following:
- CJC 3010 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 (Selected with the aid of an advisor) 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.
Minors

ED 209, E-mail: ece@mail.ucf.edu
http://education.ucf.edu/ece/
Program Coordinator: Judy Levin, ED 122L, 407-823-4615,
E-mail: jlevin@mail.ucf.edu

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)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Class Mgmt & Gdl Yng Chld 3 hrs
- EEC 3700 Social and Emotional Development of Young 3 hrs
- Children
- EEX 3450 Young Children with Special Needs 3 hrs

Restricted Electives (select one) (3 hrs)
- EEX 4751 Parent Involvement 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
- MAE 4300 Math Curriculum and Assessment in Early 3 hrs
- Childhood
- SCE 4304 Science Curriculum and Assessment in Early 3 hrs
- Childhood
- RED 4311 Primary Reading, Writing and Language Arts 3 hrs
- Curriculum and Assessment

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

Note: Completion of all parts of the CLAST with appropriate passing scores, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Credit Hour Requirements 18 hrs
Required Courses 12 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 313C 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 328C 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 3490C 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 4780C 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.
- 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 (TSU, 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.

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, 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

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 Macroeconomics 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 pre-requisite 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.

Notes
No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

**EDUCATION: Minor**

Open to non-education majors

College of Education

Department of Educational Studies, ED 206E

[http://education.ucf.edu/](http://education.ucf.edu/)

Program Coordinator: W. Scott Wise, ED 220B, 407-823-1502, E-mail: wwise@mail.ucf.edu

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements

Core Courses (15 hrs)

- EDF 4003 Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory & Assessment 3 hrs
- EDF 4410 Teaching Strategies & Classroom Management through Grade Twelve 3 hrs
- RED 4043 Content Reading in Kindergarten in Schools 3 hrs
- TSL 4080 Theory & Practice of Teaching ESL Students in Schools 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 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.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note:

- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

**EMERGENCY MANAGEMENT AND HOMELAND SECURITY: Minor**

College of Health and Public Affairs

Department of Public Administration, 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 comprehend 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 (OHSA), 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

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4003</td>
<td>Analysis &amp; Application of Ethical, Legal, and Safety Issues in Schools 3 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory &amp; Assessment 3 hrs</td>
</tr>
<tr>
<td>EDF 4410</td>
<td>Teaching Strategies &amp; Classroom Management through Grade Twelve 3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten in Schools 3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory &amp; Practice of Teaching ESL Students in Schools 3 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Restricted Electives (select one)</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching Mathematics 3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science 3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Introduction to Adolescent Literature 3 hrs</td>
</tr>
<tr>
<td>LAE 4542</td>
<td>Teaching Language/Composition 3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science 3 hrs</td>
</tr>
</tbody>
</table>

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](http://www.cecs.ucf.edu)

Contact: Paul Edlen, 407-823-2455, E-mail: paule@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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4216</td>
<td>Fundamentals of Electric Power Systems 3 hrs</td>
</tr>
<tr>
<td>EGN 4730</td>
<td>Renewable Energy Systems 3 hrs</td>
</tr>
<tr>
<td>EGN 4300C</td>
<td>Hydrogen Production and Handling 3 hrs</td>
</tr>
<tr>
<td>EGN 4731C</td>
<td>Fuel Cell Technologies 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical Energy Systems Design</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM 4220</td>
<td>Applied Energy Systems 4 hrs</td>
</tr>
<tr>
<td>EML 4454</td>
<td>Turbines for Sustainable Power 3 hrs</td>
</tr>
<tr>
<td>EML 4600</td>
<td>HVAC Systems Engineering 3 hrs</td>
</tr>
<tr>
<td>EML 4602</td>
<td>Applied HVAC Engineering 3 hrs</td>
</tr>
<tr>
<td>EML 4411</td>
<td>Mechanical Power Systems 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water, Environment and Waste Management</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering 3 hrs</td>
</tr>
<tr>
<td>ENV 4120</td>
<td>Air Pollution Design 3 hrs</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Solid and Hazardous Waste Management 4 hrs</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Environmental Engineering Process Design 4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business and Public Policy</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3614</td>
<td>Environmental Issues in Real Estate 3 hrs</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment 3 hrs</td>
</tr>
<tr>
<td>ECP 4302</td>
<td>Environment and Natural Resource Economics 3 hrs</td>
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<thead>
<tr>
<th>Social and Ethical Dimensions</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>INR 4350</td>
<td>Global Environmental Politics 3 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law 3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management 3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics 3 hrs</td>
</tr>
<tr>
<td>PLA 4554</td>
<td>Environmental Law 3 hrs</td>
</tr>
<tr>
<td>PUR 3203</td>
<td>Environmental Politics 3 hrs</td>
</tr>
<tr>
<td>PUR 4209</td>
<td>Urban Environmental Policy 3 hrs</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>Environmental Sociology 3 hrs</td>
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<table>
<thead>
<tr>
<th>Restricted Elective Courses</th>
<th>6 hrs</th>
</tr>
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<tbody>
<tr>
<td>IDS 2150</td>
<td>Foundations of Environmental Studies 3 hrs</td>
</tr>
<tr>
<td>EGN 4824</td>
<td>Energy and Society 3 hrs</td>
</tr>
<tr>
<td>IDS 4XXX</td>
<td>Advanced Topics in Energy and Sustainability 3 hrs</td>
</tr>
</tbody>
</table>

Select one course from the following two courses:

- OEB 4152 | Technological Entrepreneurship 3 hrs |
- IDS 4949 | 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.

Select any two elective courses from the following courses:

- Renewal Energy
  - EEL 4216 | Fundamentals of Electric Power Systems 3 hrs |
  - EGN 4730 | Renewable Energy Systems 3 hrs |
  - EGN 4300C | 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 |
ENGLISH - LITERATURE: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements
Required Courses
CRW 3013 Creative Writing for English Majors 3 hrs
Select one course after completing CRW 3013
CRW 3120 Fiction Writing Workshop 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
CRW 3310 Poetry Writing Workshop 3 hrs
CRW 3610 Writing Scripts Workshop 3 hrs
Select one course
CRW 4122 Advanced Fiction Writing Workshop (PR: CRW 3120) 3 hrs
CRW 4224 Advanced Nonfiction Writing Workshop (PR: CRW 3211) 3 hrs
CRW 4320 Advanced Poetry Writing Workshop (PR: CRW 3310) 3 hrs
CRW 4616 Advanced Script Writing Workshop (PR: CRW 3610) 3 hrs

Restricted Upper Division Electives (12 hrs)
CRW 3311 Structure of Verse 3 hrs
CRW 4114 History of Prose Style 3 hrs
and any of the above courses not already used

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.

ENGLISH - LINGUISTICS: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements
Required Courses
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 (18 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
Contact: D. Wallace, 407-823-1159

Credit Hour Requirements
Choose 18 hours from the following Required courses
ENC 3211 Theory & Practice of Tech Writing 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ENC 4215 Technical Publication and Project Management 3 hrs
ENC 4218 The Visual in Technical Communication 3 hrs
ENC 4280 Technical Writing Style 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
Students completing the minor may intern with a Central Florida corporation
Admission 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 - WRITING: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Contact: D. Wallace, 407-823-2212
Credit Hour Requirements: 18 hrs
Restricted Elective Courses (18 hrs)

Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
- CRW 3013 Creative Writing for English Majors
- CRW 3120 Fiction Writing Workshop
- CRW 3211 Creative Nonfiction Writing
- CRW 3310 Poetry Writing Workshop
- CRW 3311 Structure of Verse
- CRW 3610 Writing Scripts
- CRW 4122 Advanced Fiction Writing Workshop
- CRW 4123 Science Fiction Writing
- CRW 4224 Advanced Nonfiction Workshop
- CRW 4220 Advanced Poetry Writing Workshop
- CRW 4616 Advanced Script Writing
- ENC 3211 Theory and Practice of Technical Writing
- ENC 3241 Writing for the Technical Professional
- ENC 3250 Professional Writing
- ENC 3310 Magazine Writing I
- ENC 3311 Advanced Expository Writing

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH LANGUAGE ARTS EDUCATION: Minor
(Open to Non-English Language Arts Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/englished/
Program Coordinator: Jeff Kaplan, ED 122B, 407-823-2041; E-mail: jkaplan@mail.ucf.edu

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour 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 Students In Schools 3 hrs
- RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Teaching Language and Composition 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 sh of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

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 (15 hrs)
- 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

Restricted Elective Courses (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

Minor for Non-Business Majors

Credit Hour Requirements: 20 hrs
Required Introductory Courses (11 hrs)
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3113 How to Start a Business or
- MAN 3301 Human Resource Management 3 hrs

Required Entrepreneurship Courses (9 hrs)
- MAN 4802 Entrepreneurship 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- GEB 4110 Business Plan Preparation 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.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 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

Required Course
IDS 3150 Foundations of Environmental Studies 3 hrs

Science & Environmental Electives: 9 hrs
BSC 1050&L Biologic and Environment + Lab
BSC 2011C Biology II
BOT 3152C Local Flora
BOT 4152C Florida Wildflowers
BOT 3800 Ethnobotany
BOT 4303C Plant Kingdom
BOT 4685C 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 Physiochemical Limnology
PCB 4303C Biological Limnology
PCB 4683 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 4035C 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 4301 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
GER 3101 Survey of German Literature II
GER 3370 German Short Story
GER 3480 German Post-War Literature
GER 4482 German Children's Literature
GER 4531 The Age of Goethe and Schiller
ITT 4956 Study Abroad: Italian Civilization
ITW 3101 Survey of Italian Literature II
JST 3751 Literature of the Holocaust
LIT 4184 Irish Literature
MUL 3604 German Song Literature
MUL 3605 French Song Literature
SWP 3101 Survey of Spanish Literature I
SWP 3370 Spanish Short Story
SWP 4272 20th Century Spanish Novel
SWP 4322 Contemporary Iberian Theatre
SWP 4450 Spanish Literary Theory
SWP 4460 Nineteenth Century Spanish Literature
SWP 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.uc.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
18 hrs

Required Courses

- EEX 3221 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 4061 Curriculum, Theory & Instruct Strategies 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Tech for Classroom Teachers of Students with Spec Needs 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EEX 4090 Special Education Curriculum, Instruction, and Assessments 3 hrs

Other Requirements
- A minimum GPA of 2.0 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
Department of Finance, College of Business Administration
BA 409
http://www.bus.ucf.edu/finance
Not available to Finance Majors

Credit Hour Requirements
19 hrs

Required courses:

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
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 3390 Nutrition for Sports and Fitness 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 3768 Group Exercise Instruction
PET 4315 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://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 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://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 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
(20 hrs)
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 4225C 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
HSA 4190 Org and Management for Health Agencies I 3 hrs
HSA 4500 Epidemiology 3 hrs
HSA 4001 Community Health Services 3 hrs
HSA 4201 Community Health Services 3 hrs
HSA 4190 Org and Management for Health Agencies I 3 hrs
HSA 4500 Epidemiology 3 hrs

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 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 credit cannot be used toward the minor without departmental permission.
Restrictive Elective  (3 hrs)  
HSC 4652 Health Care Law & Ethics or  
HSA 4109 Managed Care 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.

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  
Required Courses (6 hrs)  
HFT 1000 Introduction to Hospitality Mgmt  
HFT 3540 Guest Services Management  
Choose any two courses from the following: (6 hrs)  
HFT 2401 Hospitality Financial Accounting  
HFT 3431 Hospitality Managerial Accounting  
HFT 2500 Hospitality Marketing  
HFT 2220 Hospitality Human Resource Mgmt  
HFT 3444 Hospitality Information Systems  
HFT 3663 Legal Environment in Hospitality  
HFT 4464 Hospitality Industry Finance  
HFT 4286 Hospitality Communications  
Choose any two courses from the following: (6 hrs)  
HFT 3700 Tourism Management  
HFT 3263 Restaurant Management  
HFT 3273 Principles of Resort Time Sharing  
HFT 4755 Theme Park & Attraction Mgmt  
HFT 2750 The Event Industry  
FSS 2221C Quantity Food Preparation  
HFT 2254 Lodging Operations  
HFT 4277 Yacht, Country, and City Club Mgmt  

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.

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 3262 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  
CLT 3378 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.
- No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Humanities Minor may be simultaneously applied to fulfill another major.
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 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 Applications  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  2 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@email.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 3321 Engineering Analysis – Dynamics  3 hrs
  EML 3262 Kinematics of Mechanism  3 hrs
Computer Vision and Intelligent Systems
  CAP 4463 Robot Vision  3 hrs
  EEL 4612 Intro to Modern and Robust Ctrl  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:
  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
  EML 5173 Linear Systems Theory  3 hrs
  EML 5513 DSP Applications  3 hrs
  EEL 5630 Digital Control Systems  3 hrs
  EEL 5820 Image Processing  3 hrs
  EEL 5825 Pattern Recognition  3 hrs
  EML 5311 System Control  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: markl@cs.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
  CET 3010 Introduction to Information Technology  3 hrs
  EGN 3060C Introduction to Computer Science or EGN 3211  3 hrs
  EGN 3210E 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/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.

Mark Llewellyn, E-mail: markl@cs.ucf.edu

2009-2010 Undergraduate Catalog
INTERNATIONAL BUSINESS: Minor
College of Business Administration
Office of Student Support, BA 240
Faculty Contact: Richard Ajayi, 407-823-5908

Credit Hour Requirements 21-32 hrs
Note: It is the student’s responsibility to satisfy course prerequisites.

Core Courses (6 hrs)
IDS 4315 Global Perspectives
GEO 3471 World Political Geography

Restricted Political Science Electives (Select one) (3 hrs)
INR 4030 Diplomacy
INR 4076 Global Drug Policy
INR 4075 Human Rights Policy
INR 4071 Politics of Globalization
INR 4054 Global Politics of Energy
INR 4074 Immigration Policy
INR 4714 Politics of International Trade Policy
INR 4035 International Political Economy
INR 4663 International Relations Theory
INR 4390 Global Environmental Politics
INR 4502 International Organizations

Restricted Area Studies Electives (6 hrs)
Two upper division courses from one of the following area studies programs.
Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies

Note:
Credit Hour Requirements 21-32 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 credits.
Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

A minimum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

INTERNATIONAL ENGINEERING: Minor
College of Engineering and Computer Science
CECS Academic Affairs Office, ENGR 107
http://www.cecs.ucf.edu
Contact: Avelino Gonzalez, 407-823-5027;
E-mail: gonzalez@mail.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 to provide 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 in which 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:

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 in which 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:
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 4110 Business & Professional Communication
- SPC 4014 Gender Issues in Communication
- SPC 4331 Nonverbal Communication
- SPC 4540 Attitudes and Communication
- SPC 4426 Group Dynamics
- COM 4461 Intercultural Communication
- COM 4462 Conflict Management
- COM 3013 Communication and the Family

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 Anthropology/Archaeology, 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

Bible

- JST 3126 Romantic Love in the Bible
- JST 3125 The Book of Job
- JST 3120 Hebrew Scriptures
- JST 3144 Dead Sea Scrolls

Literature

- JST 3332 Identity and Genre
- JST 3751 Literature of the Holocaust
- JST 3100 The Hebrew Creative Mind

Culture

- JST 3820 Modern Hebrew Culture
- JST 3910 The Jewish National Movement
- JST 3450 Modern Jewish Experience

Language

- HBR 2202 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
### Minors

#### LEADERSHIP STUDIES: Minor

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies, CL1 302**  
[http://www.is.ucf.edu](http://www.is.ucf.edu)  
**E-mail:** is@mail.ucf.edu  

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

#### Total Credit Hour Requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundation Requirement</strong></td>
<td>(4 hrs)</td>
</tr>
<tr>
<td><strong>Restricted Requirements</strong></td>
<td>(15+ hrs)</td>
</tr>
<tr>
<td><strong>Choose one course from each of the five areas.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A. Communication</strong></td>
<td></td>
</tr>
<tr>
<td><strong>B. Collaboration</strong></td>
<td></td>
</tr>
<tr>
<td><strong>C. Social Relations and Culture</strong></td>
<td></td>
</tr>
<tr>
<td><strong>D. Politics</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

#### 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 vocabulary about, 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 4352** People and Cultures of Latin America
- **ANT 4340** Caribbean Cultures
- **ANT 4308** Gender Issues in Latin America
- **ANT 3168** Maya Archeology

#### 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
- **SPW 3130** Survey of Latin American Literature I
- **SPW 3131** Survey of Latin American Literature II
- **LIT 3192** Caribbean Literature
- **FRW 3752** French Caribbean Literature
- **SPW 4382** Literature of Central America
- **AML 3615** Harlem, Haiti, and Havana
- **AML 4630** Latino/Latina Literature
- **SPN 3952** Bilinguismo
- **SPN 4720** Spanish 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, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.
Minors

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior (PR: POS 2041 or CI)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4300</td>
<td>Political Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E. Ethics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EDF 3601</td>
<td>Professional Ethics in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3040</td>
<td>Ethics and Values in Public Administration (PR: Junior standing or CI)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638</td>
<td>Ethical Issues in the 21st Century (PR: PHI 2010 or CI)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics (PR: Junior Standing)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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:** dsslaught@mail.ucf.edu

**Credit Hour Requirements**

- **Required Courses** (3 hrs)
- **Restricted Upper Division Electives** (15 hrs)
- **Restricted Electives** (3 hrs)

**Other Requirements**

- A minimum grade of “C” (2.0) is required in each course to satisfy the minor.
- At least 15 credit 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  

**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**

- **Required courses** (9 hrs)
- **Restricted Upper Division Electives** (12-15 hrs)

**Other Requirements**

- At least 15 credit 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**

- **Required Courses**
- **Electives (choose three)**

**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**

- **Required Courses** (4 hrs)
- **Restricted Electives** (12-15 hrs)

Select four or five:

- **Required Courses**
- **Electives**

**Other Requirements**

- At least 15 credit 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.

**Majors**

- At least 15 credit 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.
Other Requirements

\- RTV 4403 Electronic Media, Technology and Society
\- RTV 3200 Prod Fund & Aesth of Elect Media
\- PUR 4000 Public Relations
\- MMC 4300 International Media
\- MMC 3200 Mass Communication Law
\- JOU 3004 History of American Journalism
\- FIL 3041 History of Animated Films I
\- FIL 2030 History of Motion Pictures
\- COM 3330 Computer Mediated Communication
\- ADV 3008 Principles of Advertising
\- FIL 3006 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

Restricted Non-Marketing Elective (0-3 hrs)

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered—approval by petition to the Department.

ADV 3008, ANT 3640, COM 3011C, COM 3311, COM 3120, COM 3110, ENC 3211, EXP 3404, HSA 3111, PHI 3803, PPE 3003, PSC 3213C, RTV 3007, SOP 3004, SPC 3301, SPC 4331, SPC 4426, STA 4102, SYA 4300C, MAN 4720.

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.

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

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 2030 History of Motion Pictures
\- FIL 3006 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 lower levels are not accepted.
\- At least 12 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.

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

Required Courses 21 hrs

\- MAC 2311 Calculus with Analytic Geo I 4 hrs
\- MAC 2312 Calculus with Analytic Geo II 4 hrs
\- MAC 2313 Calculus with Analytic Geo III 4 hrs
\- MAP 2302 Differential Equations 3 hrs

(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.
\- Not open to Math or Math Education majors.
\- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

MATHEMATICS EDUCATION: Minor

(Open to Non-Mathematics Education Majors)

College of Education

Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/mathed/

Program Coordinator: Janet Andreassen, ED 123Q, 407-823-5430;
E-mail: jandreass@mail.ucf.edu

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 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
\- MAE 4360 Mathematics Instructional Analysis 4 hrs
\- MAE 4634 Programs in Teaching Mathematics 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 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: Tyson 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  (6 hrs)
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  (12 hrs)
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 3536: Early Modern Ireland
- EUH 3539: Early Modern Spain (1469-1700)
- EUH 3512: 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 throughout 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 3200: 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.

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
- MSL 3202C: Leadership and Ethics
- MSL 4301C: Leadership and Management
- MSL 4302C: Officership

Select one of the following:  (3 hrs)
- AMH 3541: U.S. Military History to 1900
- AMH 3547: U.S. Military History since 1900

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  (23 hrs)
- BSC 2010C: Biology I
- MCB 3020C: General Microbiology
- PCB 3233: Immunology or
- PCB 4239: Molecular Immunology
- PCB 3233L: Immunology Laboratory
- PCB 3522: Molecular Biology I
- PCB 4524: Molecular Biology II
- BSC 3403C: Quantitative Biological Methods

Restricted Electives  (7 hrs)
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)
MUT1112 Music Theory and Musicanship I 4 hrs
MUT1122 Music Theory and Musicanship II 4 hrs
Select 1: 3 hrs
MUL 2010 Enjoyment of Music
MUL 2016 Evolution of Jazz
MUL 2720 Music of the World
MUL 2017 Survey of Rock Music
MUL 2019 American Popular Music, 1840s-Present

Restricted Electives (9 hrs)
Required electives must be taken from the Department of Music at UCF and must include three hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

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.
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.

Group I: Nonprofit Accounting & Financial Management 3 hrs
and Planning & Evaluation.
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, 3 hrs
and Volunteerism
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 3104 Assessing I - Human Development

Group III: Communication & Marketing and Fund Raising Principles 3 hrs
& Practices
COM 3110 Business and Professional Communications*
GEB 3031 The Cornerstone Course*
MAR 3023 Marketing
MAR 3641 Marketing Intelligence*
MAR 4803 Marketing Management
PAD 4147 Resource Development in the Nonprofit Sector
SOW 3532 Interpersonal Skills in Social Work*
SPO 3605 Interpersonal Communications

or
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 4523 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/Seminar 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 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
ISM 3011C  Essentials of Management Information Systems 4 hrs
ISM 3530  Quality and Productivity Management 3 hrs
ISM 4153C  Enterprise Information Systems 3 hrs
ISM 4431  Business Process Analysis 3 hrs
ISM 4154  Enterprise Application Development 3 hrs
ISM 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: philosophy@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 (3 hrs)
Phil 3011  Philosophical Reasoning
Phil 2101  Critical Thinking
Phil 2108  Formal Logic I
Phil 2647  Logic and Ethics
Phil 3131  Formal Logic II

History of Philosophy (3 hrs)
PHH 3100  Ancient Philosophy
PHH 3200  Medieval Philosophy
PHH 3460  Modern Western Philosophy
PHH 3600  Contemporary Philosophy

Values and Society (3 hrs)
Phil 3670  Ethical Theory
Phil 3626  Advanced Ethics in Science and Technology
PHM 3401  Philosophy of Law
Phil 3800  Aesthetics
PHM 3123  Feminist Theories
Phil 3638  Ethical Issues in the 21st Century
Phil 3625  Virtual Ethics
Phil 4633  Ethics and Biological Science
PHM 3100  Freedom and Justice
Phil 3640  Environmental Ethics
PHM 4031  Environmental Philosophy
PHH 3701  Native American Philosophy
Phil 3805  Contemporary Aesthetics

Being and Knowing (3 hrs)
Phil 4500  Metaphysics
Phil 4341  Ways of Knowing
Phil 4300  Theories of Knowledge
Phil 3700  Philosophy of Religion
Phil 4400  Philosophy of Science
Phil 3320  Philosophy of Mind
Phil 3451  Philosophy of Psychology
Phil 4420  Philosophy of Social Science
Phil 3223  Minds and Machines
PHP 4782  Phenomenology
Phil 4221  Philosophy of Language

Topics in Philosophy (3 hrs)
Phil 4931  Philosophy in the News
Phil 3683  Philosophy of Friendship
Phil 4321  Philosophies of Embodiment
Phil 3648  Ethical Issues of the Human Genome Project
Phil 3022  Sexuality, Gender and Philosophy
Phil 4303  Philosophy, Religion and the Environment
Phil 4804  Critical Theory
PHP 3783  Modernity as a Philosophical Problem
Phil 3750  Problem of Evil
Phil 3720  Faith and Reason
Phil 3803  Philosophy and Creativity
Phil 3941  Philosophy Practicum
REL 3111  Religion and Philosophy through Film
PHP 3785  Existentialism
Phil 4935  Topics in Philosophy of Mind

Upper Division Restricted Electives (6 hrs)
Must consult an advisor for approved courses in this area.
Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

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
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Advisor (UCF Orlando Campus): Doug Evans, 407-823-2273;
Fax: 407-823-6658;
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 departmental 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 4330 Performance Theory
- PHI 3625 Virtual Ethics
- PHI 4931 Philosophy in the News
- POS 3235 Mass Media and Politics
- POS 3208 Policies 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 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.
- No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Minor in Humanities: Philosophy.

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  3 hrs
- PHY 2048L Physics Laboratory for Eng and Sci I  1 hr
- PHY 2049 Physics for Eng and Sci II  3 hrs
- PHY 2049L Physics Laboratory for Eng and Sci II  1 hr
- PHY 3101 Physics for Eng and Sci III  3 hrs

Restricted Upper Division Electives (9 hrs)
Selected from upper-level PHY3XXX or PHZ3XXX courses appropriate 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  3 hrs

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 of 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.
## Minors

### POLITICAL SCIENCE/PRELAW: Minor

**College of Sciences**  
Department of Political Science, PH 302  
[http://www.cos.ucf.edu/politicalscience](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**  
**Required Courses**  
- POS 2041 American National Government  
- POS 4284 Judicial Process and Politics  
**(6 hrs)**

**Restricted Elective**  
- INR 4401 International Law I  
- INR 4402 International Law II  
- POS 4603 American Constitutional Law  
- POS 4604 American Constitutional Law II  
**(3 hrs)**

**Restricted Upper Division Electives**  
- Three upper division Political Science courses (selected with the aid of a departmental advisor)
- Three upper division Political Science courses, except POS 2041.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**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 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.

### PSYCHOLOGY: Minor

**College of Sciences**  
Department of Psychology, PSY 301  
**E-mail:** psychadvising@mail.ucf.edu  
**Contact:** Psychology Advising Center, PSY 250, 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/ or employment potential. Emphasis areas will not appear on the transcript.

**Credit Hour Requirements**  
**Required Courses**  
- PSY 2012 General Psychology  
- STA 2023 Statistical Methods I  
- STA 2043 Principles of Statistics or STA 2023 Statistical Methods I  
- STA 3123 Psychological Statistics  
- STA 3204 Experimental Design or STA 3204 Experimental Design or STA 3123 Psychological Statistics  
**(10 hrs)**

**Restricted Electives**  
**A. Experimental. Select one of the following:**  
- EXP 3404 Basic Learning Processes  
- EXP 3204C Perception  
- EXP 3604C Cognitive Psychology  
- PSY 3703 Psychology of Language  
- PSB 4240C Neuropsychology  
**(3-4 hrs)**

**B. Personality/Social. Select one of the following:**  
- PPE 3003 Personality Theories  
- SOP 3004 Social Psychology  
**3 hrs**

**C. Developmental. Select one of the following:**  
- DEP 2004 Developmental Psychology  
- DEP 3202 Psychology of Exceptional Children  
- DEP 3404C Psychology of Aging  
**3 hrs**

### D. Diversity. Select one of the following:  
- CLP 3184 Women’s Mental Health  
- SOP 3742 Psychology of Women  
- SOP 3723 Cross Cultural Psychology  
- SOP 3724 Psychology of Racial Prejudice  
- SOP 3784 Psychology of Diversity  
**3 hrs**

### E. Select one additional Psychology elective  
**3-4 hrs**

**Note:** ENP 3141C, INR 3951, PSY 3965, PSY 4906, PSY 4912 will not fulfill this requirement.

**PSY 3951 will not fulfill this requirement without prior approval.**

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.
- Not open to psychology majors

### PUBLIC ADMINISTRATION: Minor

**College of Health and Public Affairs**  
Department of Public Administration, HPA2 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**  
**Required Courses**  
- 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  
**18 hrs**

**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](http://www.bus.ucf.edu/finance)

**Credit Hour Requirements**  
**Required Courses**  
- AGC 201 Principles of Financial Accounting  
- AGC 201 Principles of Managerial Accounting  
- ECO 213 Principles of Microeconomics  
- ECO 203 Principles of Microeconomics  
**19 hrs**

**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.

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**2009-2010 Undergraduate Catalog**
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@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
SPM 3130 Aquatic Management
PET 4002 Outdoor and Leisure Activities
SPM 3204 Sports and Ethics
SPM 3415 Public Relations in Sports and Fitness
PET 3361 Nutrition for Sports and Fitness

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
http://www.philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu
Program Director: Claudia Schippert, 407-823-2273
This 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
REL 2300 World Religions 3 hrs

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 3684 Ways of Living
PHI 3700 Philosophy of Religion
PHI 3900 Philosophy of Love
PHI 4321 Philosophy of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4804 Critical Theory
PHM 3020 Philosophy and the Arts
PHM 3100 Freedom and Justice
PHP 3786 Existentialism

Courses offered through other Departments (6 hrs)
AML 3651 Harlem, Haiti, and Havana
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ASH 3222 Islam and its Empires
ASH 3223 The Modern Middle East
JST 3401 The Jewish People I
JST 3402 The Jewish People II
JST 3550 Introduction to Modernism in Judaism
JST 3701 History of the Holocaust
JST 3751 Literature of the Holocaust
JST 3005 Tenets of Judaism
JST 3125 The Book of Job
JST 3144 Dead Sea Scrolls
JST 3450 Modern Jewish Experience
JST 3810 The Jewish National Movement and Roots of Zionism
LIT 3202 Death and Dying
LIT 4574 Literature of the Bible
POT 4632 Religion and Politics
SYO 4200 Sociology of Religion

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
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment
TSL 4080 Theory and Practice of Teaching ESL Students
ED 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

Required Courses
(9 hrs)
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Select one:
- 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:

Network Security:
- CET 4603 Computer and Network Security 3 hrs
- or CNT 4403 Network Security and Privacy 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 2008 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: J. Corzine, 407-823-3744

Not open to Social Sciences majors.

Credit Hour Requirements
21-22 hrs

Required Courses
(3-4 hrs)
One method course, selected from the three immediately below
- POS 3703 Scope and Methods of Political Science
- PSY 3213 Research Methods in Psychology
- SYA 4300 Research Methods (Sociology)

Restricted Electives
(18 hrs)
Select a minimum of six hours in each of the 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 3 hrs

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).
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sports Business Management</td>
<td>3</td>
</tr>
<tr>
<td>SPB 3003</td>
<td>Diversity and Social Issues in Sports Business Management</td>
<td>3</td>
</tr>
<tr>
<td>SPB 3823</td>
<td>Role of Business Entrepreneurship in Sport/Ent</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4711</td>
<td>Sports Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Event and Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4</td>
</tr>
</tbody>
</table>

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.

Other requirements:
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

INTERDISCIPLINARY MINOR

Minors

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 18 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AED 4382</td>
<td>Teaching Adult Learners</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4368</td>
<td>Advanced Teaching Techniques in Vocational Education</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4362</td>
<td>Professional Role of the Vocational Teacher</td>
<td>3</td>
</tr>
<tr>
<td>EVT 3367</td>
<td>Evaluation in Vocational Education</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4169</td>
<td>Curriculum Development for Industry Training</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4065</td>
<td>Principles and Practices in Technical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

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

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Other requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- A grade of "C" (2.0) or better must be achieved in each course used to satisfy the minor.
- 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.

Minors

UCF
**Minors**

- All engineering, interdisciplinary students (e.g., business): EGN 4412C & EGN 4413C
- BSEE: BSCPE: EEL 4104 & EEL 4151L
- BSME: EML 4501C & EML 4520C
- BSCE: CCE 4810C & CEG 4810C
- BSAE: EAS 4700C & EAS 4710C

**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
- 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:**

Any DAA, DAN, THE, TPA, or TPP course as approved by the department (3 hrs)

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult theatre advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation which cancels 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 Junie, 407-823-2804, E-mail: junie@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)

- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4253 Community and Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

**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)

- WST 3015 Introduction to Women’s Studies 3 hrs

**Select one course from the Theories Group:**

3 hrs

- PHM 3123 Feminist Theories
- LIT 4554 Advanced Feminist Theories
- WST 3561 Third Wave Feminisms

**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 2000-level course will count toward the minor.

**Women’s Studies Disciplinary Approaches**

- WST 3371 Women and Leadership
- WST 3500 Gender Issues in Community Activism
- WST 3460 Womanist Studies
- WST 4002 Research on Women and Gender

**Women’s History**

- AMH 3561 Women in American History I
- AMH 3562 Women in American History II
- ASH 4304 Women in China
- EUH 4610 Women in European Society

**Representations of Women**

- AML 3293 Contemporary American Women’s Fiction
- ARH 4892 Women in Art
- COM 4014 Gender Issues in Communication
- FIL 3880C Women in Film
- LIT 3383 Women in Literature
- LIT 3823 Hispanic Women Writers
- PHI 3022 Sexuality, Gender & Philosophy
Women's Wellness
CLP 3184 Women's Mental Health
NUR 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 4681 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)
Foundation Requirement
IDS 3333 World Comparative Studies

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 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 319 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
SYD 4510 Environmental Sociology
HFT 4735 Tourism Geography
INR 4351 International Environmental Law
ENV 3001 Intro to Environmental engineering
GIS 3043C GIS for Environmental Studies
GIS 4035 Remote Sensing of the Environment
PHI 3033 Philosophy, Religion, and the Environment
PHI 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
SYD 4454 Sociology of the Global System

E. Media and Communication
FIL 3845 World Cinema Traditions
FIL 3842 International Cinema
FIL 4844 Africana Cinema
COM 4461 Intercultural Communication
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). Admission 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 4706 Interventions with Substance Abusers 3 hrs
- SOW 3352 Practice II: Interpersonal Skills 3 hrs
- SOW 4341 Micro-Level Roles and Interventions 3 hrs

Restricted Electives:
Select from one of the following:
- 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
BSW Coordinator: HPA 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major 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
- GEX 3001 Gerontology: Interdisciplinary Overview 3 hrs

Required Internship: (Select one)
- SOW 4510 Internship (for full-time students) or SOW 4941 Internship (for part-time students over two semesters) 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 3390 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, competency and insanity.

Credit Hour Requirements: 27 hrs
Prerequisite Courses
- Complete one introductory course:
  - PSY 2020 General Psychology
  - SYG 2000 General Sociology

Required Courses
- CCJ 4690 Sex Offenders & the CJ System 3 hrs
- CCJ 4681 Domestic Violence & the Justice System 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CJE 4012 Criminal Profiling in CJ 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3662 Soc Perspectives on Domestic Violence 3 hrs
- SYP 4352 Criminal Profiling in CJ 3 hrs
- SYP 4353 Criminal Profiling in CJ 3 hrs
- SYP 4354 Criminal Profiling in CJ 3 hrs
- SYP 4355 Criminal Profiling in CJ 3 hrs
- SYP 4356 Criminal Profiling in CJ 3 hrs

Restricted Electives
- SYP 3520 Criminology 3 hrs
- SYP 3510 Sociology of Deviant Behavior 3 hrs

Other Requirements
- At least 12 hours used in the certificate must be earned at UCF.
- 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.

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
- CCJ 4663 Crime Analysis I 3 hrs
- CCJ 4706 Crime Analysis II 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
- SYP 3562 Soc Perspectives on Domestic Violence 3 hrs
- SYP 4521 Criminal victimization in Society 3 hrs
- SYP 4541 Sociology of Violence 3 hrs
- SYP 4536 Gangs and Society 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 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: jshultz@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
- ANT 4521C Forensic Anthropology* 3 hrs
- ANT 4101 Archaeological Sciences* 3 hrs
- CJE 4012 Criminal Profiling in CJ 3 hrs
- CJE 4061 Criminal Investigation 3 hrs
- CJE 4195 Interviews and Interrogations in CJ 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- ANT 3115 Archaeological Method and Theory* 3 hrs

Other Requirements
- Placement with the Department of Child and Family Services working with child welfare or placement in an agency that serves children.
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.

Certificates
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
- Required Courses (12 hrs)
  - CLP 3143: Abnormal Psychology 3 hrs
  - CJE 4630: Serial Murder and the Criminal Justice System 3 hrs
  - CJC 4690: Sex Offenders and the Criminal Justice System 3 hrs
  - CJE 4012: Criminal Profiling in Criminal Justice 3 hrs
- Restricted Upper Division Electives (3 hrs)
  - Select one of the following:
    - CJE 4610: Criminal Investigation 3 hrs
    - DSC 4012: Terrorists 3 hrs
    - CJC 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
E-mail: is@mail.ucf.edu
http://www.is.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
- Required Courses (12 hrs)
  - HFT 3540: Guest Service Management 3 hrs
  - HFT 3700: Tourism Management 3 hrs
  - HFT 4725: Tourism Geography 3 hrs
  - ANT 4438: Anthropology of Tourism 3 hrs
- Choose two classes from one of the following areas (6 hrs)
  - African American Heritage area (choose two classes)
    - 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

Environment Tourism area (choose two classes)
- BOT 3152C: Local Flora
- PCB 3442: Florida Aquatic Ecology
- INR 4351: 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
http://www.cos.ucf.edu/politicalscience
Department of History
http://www.cah.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
- Required Courses (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 (6 hrs)
  - Select two of the following:
    - INR 4114: American Security Policy 3 hrs
    - INR 4054: Global Politics of Energy 3 hrs
    - INR 4074: Immigration Policy 3 hrs
    - INR 4075: Human Rights Policy 3 hrs
    - INR 4076: Global Drug Policy 3 hrs
    - INR 4714: Politics of International Trade Policy 3 hrs
    - INR 4104: Topics in American Foreign Policy 3 hrs
    - INR 4351: International Environmental Law 3 hrs
    - INR 4401: International Law I 3 hrs
    - INR 4502: International Organizations 3 hrs
    - AMH 4512: U.S. Diplomacy: 1914-1945 3 hrs
    - EUH 4620: European Great Powers: 1815-1914 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 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.

Certificates
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: wwise@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
15 hrs
Core Courses (12 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

Restricted Electives (select one) (3 hrs)
MAE 4634 Programs in Teaching Mathematics 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4342 Teaching Language/Composition 3 hrs
SSE 4036 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

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 and 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 in each course used to satisfy the certificate.
- At least 12 hours in each course used to satisfy the certificate must be earned at UCF.
- At least 12 credit hours in each course used to satisfy 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** 13 hrs

**Required Courses**
- LIN 3716 Language Development: Birth Through 8 Years (3 hrs)
- LIN 3717 Language Development: 9-18 Years (3 hrs)
- LIN 4711 Language Analysis (3 hrs)
- LIN 4711L Language Analysis Lab (1 hr)
- SPA 4400 Language Disorders Across the Life Span (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 the courses used to complete the certificate.
- At least 10 hours in each course used to satisfy 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 the time of degree completion.

**Total Credit Hour Requirements** (13 hrs)

**Foundational Requirement**
- LDR 1XXX Foundations of Leadership (2 hrs)

**Restricted Requirements** (9 hrs)

Choose one course from each of three areas.

**A. Communication**
- COM 301C Communication and Human Relations (3 hrs)
- COM 3120 Organizational Communication (3 hrs)
- COM 4461 Intercultural Communication (3 hrs) (can only be used in Area A or Area C)
- COM 4462 Conflict Management (3 hrs)

**B. Collaboration**
- INP 3004 Industrial/Organizational Psychology (3 hrs)
- INP 4313 Organizational Psychology (3 hrs)
- MAN 4240 Organizations: Theory and Behavior (4 hrs)
- MAN 3025 Management of Organizations (4 hrs)
- SPC 4426 Group Dynamics (3 hrs)

**C. Social Relations and Culture**
- ANT 3541 Biobehavioral Anthropology (3 hrs)
- CLP 3143 Abnormal Psychology (3 hrs)
- COM 4461 Intercultural Communication (3 hrs) (can only be used in Area A or Area C)
- EXP 3304 Motivation (3 hrs)
- SOP 3004 Social Psychology (3 hrs)
- SOP 3723 Cross Cultural Psychology (3 hrs)
- SOP 3742 Psychology of Women (3 hrs)
- SOP 3784 Psychology of Diversity (3 hrs)

**D. Politics**
- PAD 3003 Public Administration in American Society (3 hrs)
- PAD 4124 Administration Theory (3 hrs)
- PAD 4144 Non-Profit Organizations (3 hrs)
- PAF 4754 Interdisciplinary Leadership in Public Affairs (3 hrs)
- POS 3413 The American Presidency (3 hrs)
- POS 4206 Political Psychology (3 hrs)
- PUP 3325 Women and Political Behavior (3 hrs)

**E. Ethics**
- BUL 3130 Legal and Ethical Environment of Business (3 hrs)
- EDF 3601 Professional Ethics in Education (3 hrs)
- PAD 3040 Ethics and Values in Public Administration (3 hrs)
- PHI 2108 Critical Thinking (3 hrs)
- PHI 3640 Environmental Ethics (3 hrs)

**MARKETING: Certificates**

**College of Business Administration**

**Department of Marketing, BA2 307S**

*Restricted to Marketing majors* 6 hrs

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate in Selling and Sales Management**
- MAR 3403 Sales Force Management (3 hrs)
- **MAR 4941** (internship in sales-related position)

**Certificate in Retailing Management**
- MAR 4231 Retailing Management (3 hrs)
- **MAR 4941** (internship in retail-related position)

**Certificate in e-Marketing**
- MAR 3721 e-Marketing (3 hrs)
- **MAR 4941** (internship in "e"-related position)

**Certificate in Sport Marketing Management**
- MAR 4711 Sport Marketing (3 hrs)
- **MAR 4941** (internship in sport-related position)

**Certificate in Healthcare Marketing**
- MAR 4712 Healthcare Marketing (3 hrs)
- **MAR 4941** (internship in healthcare-related position)

**Certificate in Services Marketing**
- MAR 4841 Services Marketing (3 hrs)
- **MAR 4941** (internship in services-related position)

**Certificate in Entertainment Marketing**
- MAR 4715 Entertainment Marketing (3 hrs)
- **MAR 4941** (internship in entertainment-related position)

*These six hours count as the six elective marketing hours required in the major.

**Certificate attainment is subject to the availability of internship opportunities in the area of interest.**

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**University of Central Florida**

2009-2010 Undergraduate Catalog
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
ML 3201C Leadership and Problem Solving 4 hrs
or ML 3202C Leadership and Ethics 4 hrs
ML 4301C Leadership and Management 4 hrs
ML 4302C Officerhip 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.coaha.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 (15 hrs)
PAD 4144 Nonprofit Organizations 3 hrs
PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
PAD 4153 Planning and Improvement for Public Organizations 3 hrs

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.
**Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 2.75 to qualify for an internship.

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 (12 hrs)
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
PLA5937 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
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 in PK-12 schools. The certificate is intended for University students who want to prepare themselves for substitute teaching assignments in PK-12 schools.

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 3311 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 & Interp for Mass Com 3 hrs
- SPT 3839 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 CriminalVictimization in Society 3 hrs
- NUR 4516 Crisis Intervention 3 hrs
- SOW 4754 Forensic Social Work Theory and Practice 3 hrs
- CCJ 4664 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: womens@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, whose elective hours are restricted.

Credit Hour Requirements: 12 hrs

Required Course: (3 hrs)
- WST 3015 Introduction to Women's Studies

Electives (9 hrs)

See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: (6-3 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.
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.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 3706</td>
<td>Structure &amp; Properties of AE Mats</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability &amp; Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EAS 3010</td>
<td>Fundamentals of Aerospace Flight</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3101</td>
<td>Aerodynamics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3800C</td>
<td>Aerospace Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3810C</td>
<td>Design of Aerospace Experiments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4134</td>
<td>High-Speed Aerodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Flight Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3530</td>
<td>Space Systems Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EAS 4400</td>
<td>Spacecraft Attitude Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EAS 4505</td>
<td>Orbital Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4300</td>
<td>Aerothermodynamics-Propulsion Sys</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in MMAE</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4210</td>
<td>Space Structural Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400C</td>
<td>Aerospace Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EGN 4412C</td>
<td>Interdisciplinary Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4710C</td>
<td>Aerospace Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EGN 4413C</td>
<td>Interdisciplinary Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 3 hrs
   EAS 4710C  Aerospace Design II  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. 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, 407-623-4798,

**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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Math or MGF 1107</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select STA 2014C or STA 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>Select PSY 2012 Gen Psych</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the listed choices</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ECO 2013, ECO 2023), or (POS 2041)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>One biological science (Prefer BSC 1005 General Biology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one physical science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites

None

#### 3. Core Requirements (48-51 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development: Birth Through 8 Years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3011</td>
<td>Speech Science I: Speech Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3011L</td>
<td>Speech Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>Language Development: 9-18 Years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3104</td>
<td>Neural Bases of Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123</td>
<td>Speech Science II: Speech Perception</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123L</td>
<td>Speech Perception Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711</td>
<td>Language Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711L</td>
<td>Language Analysis Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4321</td>
<td>Audiological Rehabilitation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4478</td>
<td>Multicultural Aspects of Communication Disorders and Differences</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>EAB 3703</td>
<td>Principles of Behavior Modification or EEX 4601</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Guidance of Young Children or EDF 3303</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3472</td>
<td>Guidance of Young Children or</td>
<td></td>
</tr>
<tr>
<td>SPA 4056C</td>
<td>Clinical Methods in Communication Disorders</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

#### 4. Statistics Requirement (3-6 hrs)

Students have two options for completing this requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

### 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>SPA 6042</td>
<td>Preschool Language Disorders</td>
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<tr>
<td>SPA 6403</td>
<td>School-Aged Language Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communication Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 5473</td>
<td>Multicultural Aspects of Communication Disorders and Differences</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 7. Foreign Language Requirements

**Admissions:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

**Graduation:** Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

#### 8. Departmental Exit Requirements

- A minimum grade of “B” in all graduate courses.
- A minimum GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

#### 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 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

#### 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
- American Sign Language, 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 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 Programming 3 hrs
COP 4331C Processes Object Oriented SW Dev 4 hrs
EEL 2004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEL 3307C Electronics I 4 hrs
EEL 3342C Digital Systems 3 hrs
EEL 3801 Computer Organization 3 hrs
EEL 4767C Embedded Systems 4 hrs
EEL 4768C Computer Architecture 4 hrs
EEL 4781 Computer Comm Networks 3 hrs
COP 4000 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
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 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

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.

- 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.

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
Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (36+3 hrs)
   (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)
   COP 3331  Intro to OO Programming  3 hrs
   COP 3520C Computer Science I  3 hrs
   COP 3532C Computer Science II  4 hrs
   STA 2023 Statistical Methods I  GEP
   ENC 3241 Technical Report Writing  3 hrs
   EEL 3801 Computer Organization  3 hrs
   COT 3100C Intro to Discrete Structures  3 hrs
   CIS 3360 Security in Computing  3 hrs
   COP 3402 Systems Software  3 hrs
   COT 3960 Foundat. Exam (PR:COT 3100C & COP 3520C) 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  4 hrs
   EEL 4768C Comp Architecture  4 hrs
   COT 4210 Discrete Comp Structures  3 hrs
   COP 4020 Programming Languages I  3 hrs
   COP 4800 Operating Systems  3 hrs
   COT 4810 Topics in Computer Science  3 hrs

5. Restricted Electives (15 hrs)
   5000 level Computer Science courses  9 hrs
   Must be offered by Computer Science at UCF. At most 3 hours
   of independent study allowed. No internship or cooperative
   education credits are allowed. Approved IT courses offered
   by Computer Science may also be used toward this requirement
   (3 credits).
   4000-5000 level mathematics or statistics  6 hrs
   courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC
   2313, MAP 2302, MAS 3105, and MAS 3106. No independent
   study hours, internship, or cooperative education hours are
   allowed.

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 cours-
   es 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 accept-
    able 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 require-
ments 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 pro-
gram 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 regis-
  ter for more than a total of twelve hours in that semester
• Undergraduate students are not eligible to take 6000-level cours-
  es

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 Macroeconomics or
   ECO 2523 Principles of Microeconomics  3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000  3 hrs
   E. Science Foundation  6 hrs

2. Common Program Prerequisites
   ECO 2013 Principles of Microeconomics
   ECO 2523 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
**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 track specific 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)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
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<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3</td>
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<tr>
<td>EEE 3370C</td>
<td>Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3</td>
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<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communications</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3801</td>
<td>Computer Organization</td>
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<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fund.</td>
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</tr>
<tr>
<td>EEL 4767C</td>
<td>Embedded Systems</td>
<td>4</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.
Accelerated Undergraduate-Graduate Programs

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.E.E.) 128 hrs

9. Shared B.S.E.E./M.S.E.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 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.
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).
Communication Track
Controls/Robotics Track
Digital Signal Prosseion Track
Electromagnetics Track
Electronics/Power Electronics Track
Electro-Optics Track
Solid State and Microelectronics Track
VLSI Design Track

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 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

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 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.
- Schedule for students enrolled full-time in the accelerated program:
  - Students complete nine hours of graduate-level courses their senior year.
  - Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
  - Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
  - Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first MA year.
  - Students complete and defend a master’s thesis in six hours.

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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 5000- 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

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.
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.

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to C Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

EML 4991 ME Career/Academic Faculty Advising II 0 hrs
EML 3990 ME Career/Academic Faculty Advising I 0 hrs
EML 5532C Computer-Aided Design for Manufacture 3 hrs
EML 4220 Vibration Analysis 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4220 Vibration Analysis 3 hrs
EML 5532C Computer-Aided Design for Manufacture 3 hrs
EML 3034C Machine Design & Analysis 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EGM 3071 Fluid Mechanics I 3 hrs
EGM 3041C Thermodynamics of Mechanical Sys 3 hrs
EGM 3040C Thermodynamics of Mechanical Sys 3 hrs
EGM 3040C Thermodynamics of Mechanical Sys 3 hrs

Total Semester Hours Required (B.S.I.E./M.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 4201 Thermodynamics of Mechanical Sys 3 hrs
- EML 4204C Thermodynamics of Mechanical Sys 3 hrs
- EML 4203C Fluid Mechanics II 3 hrs
- EML 4215 Topics in Heat Transfer 2 hrs
- EML 4221C Machine Systems Exp. Tech. 2 hrs
- Approved Electives 9 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.

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. Graduate courses (*) used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor.

Admission:
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ECES encourages all engineering students to take the Fundamentals Exam during their Senior year.

Completion of the GRE with a highly competitive score by the end of first semester of the senior year.

Completion of no more than 96 credit hours.

Qualified students may apply after completion of a minimum of 64 credit hours.

Admission is not automatic. Interested students may need to be interviewed.

Total Semester hours (B.S.I.E./M.S.I.E.) 146 hrs
Accelerated Undergraduate-Graduate Programs

b. Mechanical Systems Option

- EML 4304C Thermo-fluids Measurements 2 hrs
- EML 3262 Kinematics of Mechanisms 3 hrs
- EGM 3051L Solid Mechanics Lab 2 hrs
- EML 4221C Mechanical Systems Exp. Tech. 2 hrs
- Approved Electives 12 hrs

c. Materials Option

- EMA 3012C Experimental Techniques in Mech & Materials 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
- EMA 3124 Design and Selection of Materials 3 hrs
- EMA 4223 Fundamentals of Mech. Behavior of Materials 3 hrs
- Approved Electives 9 hrs

4. Approved Technical Electives

Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

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 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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- At least 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 (B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.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 MSME, MSMS, 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 any 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.biomed.ucf.edu

Chair: P.E. Kolattukudy

Students seeking 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 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 GEHP 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 1030H Honors Fund. Tech Presentations

  B. Cultural Historical Foundations 9 hrs

  C. Mathematical Foundations 4 hrs
  - Select MAC 2311
  - Select STA 2203
  - Select STA 2023

  D. Social Foundations 6 hrs

  E. Science Foundations 4 hrs
  - Select BSC 200C Biology I
  - Select BSC 2045C Chemistry Fundamentals I

2. Common Program Prerequisites (16 hrs)

- BSC 200C Biology I
- BSC 2011C* Chemistry I
- CHM 2045C**, CHM 2046, Chemistry Fundamentals I, II, + Lab 2046L
- CHM 2210, 2211, Organic Chemistry I, II, + Lab 2211L
- MAC 2311 Calculus with Analytical Geometry I

*See Transfer Notes for possible substitutes

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 4912: 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 2311C: 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

*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
- ENCS243/ENC243H: Writing for the Tech Professional 3 hrs
- PHI 4633H: Honors Ethics and Biological Science 3 hrs
- PAF 3753H: Honors Ethical Issues in Health & Public Affairs

**Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

**Students decelerating to the 4 year B.S. program must take the following additional courses:
- MCB 4414: Microbial Metabolism 3 hrs
- 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum)

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.oas.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 2012H or SYG 2000 3, STA 2023 3
- or ANT 2000H 3, CHM 2046 3
- CHM 2054C 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, 2048L 4, BSC 3403C 4
- MCB 4941 1, SPC 1603H 3

Summer
- MCAT Prep Exam
- 0 hrs

Junior Year
Fall 16 hrs, Spring 16 hrs
- PCB 3522 3, PCB 4524 3
- BCH 4053 3, PCB 4239, 3233L 4
- ENC 3243/ENC 3243H 3, PCB 4524 3
- SLC 2011C** 4, ECO 2013 or POS 2041 3
- Cultural/Historical 3, Cultural/Historical 3

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: ucfnurse@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
*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 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</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry</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>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*A general chemistry course (3 hr) covering organic/inorganic chemistry and a chemistry lab (1 hr).

**Weekly laboratory fee: $50 per term.

3. Core Requirements (57-62 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 40XX</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 (SYG 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)* (3**)

Human Anatomy and Physiology I & II w/lab (BSC 2045/2046 or BSC 2045/2046) 6-8

General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab (3**)

Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course 3

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>Quarter</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>Summer</td>
<td>15 hrs</td>
</tr>
<tr>
<td>Fall</td>
<td>16 hrs</td>
</tr>
</tbody>
</table>
| NUR 3825 | 2 NUR 3125 | 3
| NUR 3065 | 2 NUR 3145 | 3
| NUR 3065L| 1 NUR 3225 | 3
| NUR 3028 | 2 NUR 3225L| 2
| NUR 3028L| 1 NUR 3445 | 3
| NUR 3755L| 1 NUR 3445L| 2
| NUR 3634 | 3         |
| NUR 3634L| 2         |

http://www.nursing.ucf.edu
Accelerated Undergraduate-Graduate Programs

**Students may petition to waive elective requirements.**

**Science Foundation is 6 credit hours for General Education Program; however both are required nursing program prerequisites.**

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### 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 Catalog 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**  
Limited Access

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 exams.
- 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.

---

**1. UCF General Education Program (36+1 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 &amp; ENC 1102</td>
<td>Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Social Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Also meets General Education Requirements;**

**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.

---

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004 Developmental Psychology</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>HUN 3011 Human Nutrition</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NGR 3800 Nursing Research</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 3165</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 3805</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 3834</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 4837</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 4838</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5000</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5003</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5005</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5007</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5014</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5030</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5141</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5165</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5720</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5871</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5880</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5900</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5905</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5906</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5951</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5961</td>
<td>2 hrs</td>
<td></td>
</tr>
</tbody>
</table>

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**3. Core Requirements (30 hrs)**

**UCF Upper Division Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3834</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, &amp; Econ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4838</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4839</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4840</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Students in the Nurse Educator/Clinical Nurse Leader, and Nurse Practitioner tracks take the following (12 credits) (nine graduate credits also applied to MSN)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 5003</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5007</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5141</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5800</td>
<td>2 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Students in the Clinical Nurse Specialist Track take the following (12 credits) (twelve graduate credits also applied to MSN)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 5003</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5005</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5141</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 5800</td>
<td>2 hrs</td>
<td></td>
</tr>
</tbody>
</table>
### Upper Division Credit*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</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 3755L</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
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 state-wide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice 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 who 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 also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the 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
  - CJE 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

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 community colleges 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.oeas.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

HSA 3111  U.S. Health Care Systems  3 hrs
(HSA 3111 is a prerequisite class for all of the following classes)

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:

- HSC 4562  Health Law and Ethics or
- HSA 4109  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 3393  System Analysis  1  3 hrs
- CET 4427  Applied Database  1  3 hrs
- CET 4505  Applied Operating Systems  1  3 hrs
- ETI 4448  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 4286  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 Teaching ESOL  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

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

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:

- HSC 4562  Health Law and Ethics or
- HSA 4109  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 3393  System Analysis  1  3 hrs
- CET 4427  Applied Database  1  3 hrs
- CET 4505  Applied Operating Systems  1  3 hrs
- ETI 4448  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 4286  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 Teaching ESOL  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
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

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 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: 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.oes.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 hours.

1. UCF General Education Program

2. Common Program Prerequisites (CPP) (4 hrs)

3. Statewide Articulated A.S. To B.S. Programs

4. Upper Level Required Courses (23 hrs)

5. Upper Level Technical Electives (4 hrs)

6. Departmental Exit Requirement (3 hrs)

7. University Exit Requirements (0-8 hrs)

8. University Minimum Graduation Requirements

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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ................................................. $90 per term
- Part-time Student .................................................. $45 per term

323
Statewide Articulated A.S. To B.S. Programs

Junior Year

Fall 13 hrs
MAC 2233 Applied Calc I or MAC 2311 Calc w/Apps Geom I 3/4
STA 2023 Statistical Methods I 3
SPC 1608 Oral Communications 3
PHY 2053C/PHY 2054C Physics I 4

Spring 16 hrs
MAC 2311 Calc w/Apps Geom I 3
STA 2023 Statistical Methods I 3
ESM 2101 Business Calculus 3
ETI 3448 Project Mgmt 3
EET 4540C Power Systems 4
EET 4560C Linear Int Circ 4
CET 2114 Microcomputer Tech 1 3

Summer 6 hrs
ETI 3116 Appl Eng Quality Assur 3
Cultural/His Foundation 3

Senior Year

Fall 14 hrs
EET 4540C Power Systems 4
EET 4560C Linear Int Circ 4
CET 2124 Microcomputer Tech 1 3
MAC 2312, 2254 or MAP 3401 4

Spring 13 hrs
ETI 3448 Project Mgmt 3
EET 4950C Snr Design Project 3
ENC 3241 Writing Tech Pros 3
ECE 4333 Comp Org & Design 3
Upper level elective 4
CET 4134 Microprocessor Elec II 3

GENERAL BUSINESS (B.S.B.A.)
A.S. to B.S. TRACK

College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

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)

2. Common Program Prerequisites (18-21 hrs)

3. Core Classes (36 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.

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
   - MAN 3301 Management of Human Resources
   - MAN 4411 Conflict Resolution and Negotiation
   - MAN 4413 How to Start a Business
   - MAN 4441 Organizations: Theory and Behavior
   - MAN 4504 Enterprise Application Development

   Management Information Systems
   - ISM 3253 MIS Techniques
   - ISM 4153C Enterprise Information Systems
   - ISM 4154 Enterprise Application Development

   Marketing
   - MAR 3613 Marketing Research & Analysis
   - MAR 3802 Marketing Research & Analysis
   - MAR 4411 Sales Management
   - MAR 4841 Service Marketing
   - MAR 4851 International Marketing

   Economics*
   - ECO 3223 Money and Banking
   - ECO 3233 Contemporary Labor Economics
   - ECO 4703 Managerial Economics

   *ECP 4703 is required. ECO 3203 and ECO 4703 are restricted electives only. With permission of the 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
   - 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 Military credit permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
Statewide Articulated A.S. To B.S. Programs

10. Electives*** (variable)
Must be outside the College of Business

Total Semester Hours Required 132 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" (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/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

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(18 hrs)</th>
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</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td></td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td></td>
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<tr>
<td>C. Mathematical Foundations</td>
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<tr>
<td>D. Social Foundations</td>
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<tr>
<td>E. Science Foundation</td>
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</tbody>
</table>

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 |
| ECO 2013  | Macroeconomics                    |
| or ECO 2023 | Microeconomics                   |
| MAC 1105  | College Algebra                   |
| HFT 3540  | Guest Services Management        |
| HFT 3431  | Hospitality Managerial Accounting|
| HFT 4295  | Leadership and Serv Mgmt in HInd |
| HFT 4286  | Hospitality Communications       |
| HFT 4464  | Hospitality Industry Finance      |
| HFT 4941  | Internship II                     |
| HFT 4944  | Internship III                    |
| HFT 3933  | Distinguished Lectures in Hosp. Mgt. |

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**

<table>
<thead>
<tr>
<th>A. Vacation Ownership Resort Management Track -- (5 Courses)</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4275  Development of Vacation Ownership Resorts</td>
<td></td>
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<tr>
<td>HFT 4274  Vacation Ownership Resort Management</td>
<td></td>
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<tr>
<td>HFT 4522  Vacation Ownership Resort Sales Tactics</td>
<td></td>
</tr>
<tr>
<td>HFT 4442  Vacation Ownership Resort Reservations/</td>
<td></td>
</tr>
<tr>
<td>HFT 4343  Hospitality Facilities Planning &amp; Design</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Theme Park and Attraction Mgmt Track -- (Choose 5 Courses from the following list)</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4786  Managing the Guest Experience in Theme Parks and Attractions</td>
<td></td>
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<tr>
<td>HFT 4759  Product Development in Theme Parks and Attractions</td>
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<tr>
<td>HFT 4758  Contemporary Issues in the Theme Park and Attraction Industry</td>
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<tr>
<td>HFT 4532  Managing the Employee Experience in Theme Parks and Attractions Industry</td>
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<tr>
<td>HFT 4787  Operational Issues in the Theme Park and Attraction Industry</td>
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<td>HFT 4795  Entertainment Arts and Events</td>
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<tr>
<td>HFT 3784  Amusement Technology</td>
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<tr>
<td>HFT 4614  Risk Management in Theme Parks</td>
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</tbody>
</table>
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 4343 Hospitality Facilities Planning & Design 3 hrs
- HFT 4473 Hotel Development Analysis 3 hrs
- HFT 4353 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/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 Decision Making 3 hrs

F. Golf and Club Management Track – 15 hrs
(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 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 admis-
sed to the University without the required two units of foreign lan-
guage in high school.)

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 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
- 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
- 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.
- ACG X001 and X011 will substitute for HFT 2401 at UCF.
- 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.
- A minimum of 30 semester hours must be completed at UCF
  within the Hospitality major.
- Orientation and advising are two of the most valuable tools that
  a student can make use of when transferring to UCF. Students
  should take advantage of both.

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

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: bmotlagh@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
- 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 (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
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 (C (2.0) or better grade required in all courses) (26 hrs)
   CET 3529 Linux/Unix System Admin and Applications 3 hrs
   CET 3010 Intro to Info Technology 3 hrs
   CET 2023 Statistical Methods I 3 hrs
   MAC 1105 College Algebra 3 hrs
   EET 4448 Applied Proj Mgmt 3 hrs
   EET 3241 Writing for the Technical Professional 3 hrs
   EET 3085C Electricity & Electronics or 4 hrs
   EET 3086 Principles of Electrical Circuits 4 hrs
   CET 3115C Digital Technology 4 hrs
   CET 2364 Systems Applications in C 3 hrs

4. Required Technical Courses (C (2.0) or better grade required in all courses) (21 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 3679 Intro to Telephony 3 hrs
   CET 4483 Intro to Local Area Network 3 hrs
   CET 4333 Computer Organization & Design 3 hrs
   CET 4748 Wide Area Networks I 3 hrs

5. Technical Electives (C (2.0) or better grade required in all courses) (12 hrs)
Choose four from the following:
   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
   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 4594 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
CET 4884 Security Methods and Practice 3 hrs
CET 4885 Investigative Digital Technology 3 hrs
CET 4889 Security Sensor Tech. and Biometrics 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 5219 Business Intelligence Systems 3 hrs

6. Departmental Exit Requirements  none

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. 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.

9. 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: none
Related Minors: Interdisciplinary Informatics Technology, Security Computing and Networks

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 Department Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

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

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  Spring 13 hrs
EET 3065C Elect & Electronics 4  EET 4483 Local Area Network 3
MAC 1114 College Trigonometry 3  CET 3529 Linux/Unix Sys Admin 3
CET 3010 Intro to Info Tech 3  CET Elective 3
CET 2364 Systems Apps in C 3  CET 3115C Digital Tech 4

Summer 9 hrs
CET 4333 Comp Org & Design 3
ENC 3241 Tech Rep/Writing 3
ETI 4448 Applied Prj Mgmt 3

Senior Year

Fall 12 hrs  Spring 12 hrs
CET 4505 Appl Oper Sys I 3  CET Elective 3
CET 4477 Appl Database I 3  CET 3383 Applied Sys Analysis I 3
CET 3679 Intro to Telephony 3  Tech Elective 3
CET 4748 Wide Area Networks I 3  Tech Elective 3

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 9 hrs
  1. ENC 1101 & ENC 1102
  2. Prefer SPC 1098

- B. Cultural Historical Foundations 9 hrs
  1. Select MAC 1105
  2. Select STA 2014C

- C. Mathematical Foundations 6 hrs
  1. SYG 2000
  2. PSY 2012

- D. Social Foundations 6 hrs
  1. SYG 2000
  2. PSY 2012
Statewide Articulated A.S. To B.S. Programs

E. Science Foundations:* 6-8 hrs
BSC 2010C – General Biology
CHM 1032 & CHM 1032L – General Chemistry & Lab
or Anatomy & Physiology I & II
or ZOO 3733C & PCB 3730C, 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** GEP
SYG 2009 Sociology** GEP
MCB 2004C Health Microbiology 4 hrs
CHM 1032 General Chemistry** GEP
CHM 1032L General Chemistry Lab 1 hr
ZOO 3733C Human Anatomy* 4 hrs
PCB 3730C Human Physiology* 4 hrs
STA 2014C Principles of Statistics** GEP
or 2023 Statistical Methods I
SOW 3104 Assessing Human Development 3 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 4282 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 Nursing for RNs 4 hrs.

Upper Division Credit* (27 hrs)
NUR 3033 Essentials of Nursing Practice 2 hrs
NUR 3025L 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/alc/academic_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
(Prograrn 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 Jamer,
E-mail: fjameer@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.
■ 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
   - **C. Mathematical Foundations** 0 hrs
     - MAC 1105 (Completed at CC)
     - 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 PHYS 2053C
     - Select BSC 1005 or 1050

2. **Common Program Prerequisites** (4 hrs)
   - CDS 1006C 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 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

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

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.

   **Junior Level**
   - RTE 3000 Introduction to Radiologic Sciences 3 hrs
   - RTE 311C 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 ST: 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 4505 Pathophysiologic Mechanisms 3 hrs
   - RTE 3814L ST: Clinical Education II 4 hrs

   **Senior Level**
   - RTE 4563 Special Radiographic Procedures 2 hrs
   - RTE 4782 Pathophysiology 2 hrs
   - RTE 4824L Clinical Education III 5 hrs
   - RTE 4573 Advanced Imaging Modalities 3 hrs
   - RTE 4574 Computed Tomography Protocols or 1 hr
   - RTE 4579 Mag Resonance Imaging Protocols 1 hr
   - RTE 4844L Clinical Education IV 6 hrs
   - RTE 4385 Radiobiology 1 hr
   - RTE 4846L Clinical Education V - A 2 hrs
   - RTE 4844L Clinical Education V - B 4 hrs
   - RTE 4473 Quality Improvement 3 hrs
   - RTE 4762 Anatomy for the Medical Imager 3 hrs
   - RTE 4206 Leadership in Radiologic Sciences 3 hrs
   - RTE 4854L Advanced Clinical Practicum 4 hrs

   Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

4. **Program Exit Requirements** (124 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.

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

Equipment Fee
   - Full-time Student ................................................. $50 per term
   - Part-time Student .................................................. $25 per term
Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida's Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 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 credits 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.

<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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<td>1</td>
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<td>Language</td>
<td>English Composition Lower (Freshman) Level at this institution</td>
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<td>No Laboratory component in this course</td>
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</table>
Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre and skills courses in Criminal Justice 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 nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the 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.
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<td>Physical Therapy</td>
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<td>PHY</td>
<td>Physics</td>
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<td>PMH</td>
<td>Physical Education (Continued)</td>
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<td>PCB</td>
<td>Process Biology</td>
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<td>PCD</td>
<td>Psychology For Counseling</td>
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<td>PGE</td>
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<td>PHA</td>
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<td>PHC</td>
<td>Public Health Concentration</td>
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<td>PHH</td>
<td>Philosophy</td>
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<td>PIM</td>
<td>Philosophy Of Man and Society</td>
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<td>PPI</td>
<td>Political Science</td>
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<td>PPL</td>
<td>Political Theory</td>
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<td>PPT</td>
<td>Portuguese Culture in Translation or Translation Skills</td>
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<td>PUR</td>
<td>Portuguese Literature (Writings)</td>
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<td>PWK</td>
<td>Portuguese Language</td>
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<td>PWO</td>
<td>Precision Metals Technology</td>
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<td>PPD</td>
<td>Psychology</td>
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<td>Personality</td>
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<td>Pronunciation</td>
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<td>PRO</td>
<td>Prosthetics/Orthotics</td>
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<td>SWT</td>
<td>Swahili Culture in Translation or Translation Skills</td>
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<tr>
<td>SYW</td>
<td>Swahili Literature (Writings)</td>
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<tr>
<td>TAP</td>
<td>Theatre Production and Administration</td>
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<td>TPP</td>
<td>Theatre Performance and Performance Training</td>
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<td>TRA</td>
<td>Transportation</td>
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<td>TUT</td>
<td>Turkish Culture in Translation or Translation Skills</td>
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<td>URA</td>
<td>Urban and Regional Planning</td>
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<td>URS</td>
<td>Urban and Regional Studies</td>
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<td>VAR</td>
<td>Variable-Paced Architecture</td>
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<td>VEM</td>
<td>Veterinary Medicine Professional</td>
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<td>VME</td>
<td>Veterinary Medicine Graduate</td>
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<td>VTN</td>
<td>Vietnamese Language</td>
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<td>VWT</td>
<td>Vietnamese Literature (Writings)</td>
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<td>WCL</td>
<td>Ward Clerk</td>
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<td>WIS</td>
<td>Wildlife Science</td>
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<td>WFL</td>
<td>Wolof Language</td>
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<td>WOT</td>
<td>Wolof Culture in Translation or Translation Skills</td>
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<td>WOW</td>
<td>Wolof Literature (Writings)</td>
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<td>XHO</td>
<td>Xhosa Language</td>
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<td>XHW</td>
<td>Xhosa Literature (Writings)</td>
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<td>YOT</td>
<td>Yoruba Culture in Translation or Translation Skills</td>
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<td>YRW</td>
<td>Yoruba Literature (Writings)</td>
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</table>
Common Course Numbering System

Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates

- Directed Independent Studies 1906, 2905, 3906, 5907
- Directed Independent Research 4912, 5917
- Special Undergraduate Research IDS 3913, 4914
- Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
- *Internship, Practica, Clinical Pract 3940, 4941, 5944

Cooperative Education1

- Honors Undergraduate Thesis 3970H, 4970H
- Honors Directed Reading1 4903H
- Honors Directed Reading2 4904H
- Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.
1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
2Enrollment is limited to those students who are fully admitted to the Graduate Program.
3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C          CAH-ART          3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Communication, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

- BA: Accounting ACCT, Business BUS, Economics ECON, Business Administration BUS
- BA: Finance FIN, Management MAN, Management Information System MIS
- BA: Marketing MAR
- CAH: African American Studies AAS, Art ART, Arts & Humanities CAH, Digital Media DIG
- CAH: English ENG, Film FILM
- CAL: History HIS, Judaic Studies JUD, Music MUS, Philosophy PHIL, Theatre THEA
- CAH: Women's Studies WOM
- COM: Molecular Biology & Microbiology M&M, Nursing NURS
- COS: Biology BIOL, Chemistry CHEM, Communication COMM, Mathematics MATH, Physics PHYS, Political Science POLS, Psychology PSYCH, Radio/TV RTVF, Sociology & Anthropology SOC/AN, Statistics STAT
UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021 BA-ACCT 3(3,0)

ACG 2021H BA-ACCT 3(3,0)

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Financial Accounting Concepts and Analysis: PR: Junior Standing, Accounting major or minor, and ACG 2021, ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, disclosure and the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing; Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of “C” (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" or better in ACG 2071. Application of the application of financial and managerial accounting, and auditing for governmental, and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)

ACG 4284 BA-ACCT 3(3,0)

ACG 4401C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the internal audit function, and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, and ACG 4401C. Tax 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

ADE 4382 ED-TLP 3(3,0)
Teaching Adult Learners in Technical Programs: PR: C.I. Sub-Saharan African Studies or Junior standing. Theory and practical use of teaching adult learners in technical programs. Fall, Spring.

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: C.I. Radio and television advertising. The development of creative strategies for advertising and emphasizing writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0)

ADV 4300 COS-COMM 3(3,0)

AFH 3100 CAH-HIST 3(3,0)

AFH 3200 CAH-HIST 3(3,0)

AFH 5295 CAH-HIST 3(3,0)
Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or C.I. Survey courses covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFA 2300 CAH-AAS 3(3,0)

AFA 3102 CAH-AAS 3(3,0)
Black Perspectives: A Multidisciplinary Approach: PR: ENL 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0)

AFA 3428 CAH-AAS 3(3,0)

AFA 3955 CAH-AAS 6(6,0)

AFA 4105 CAH-AAS 3(3,0)

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: Graduate standing or C.I. Special topics in African American Studies. May be used in the degree program a maximum of 3 times. Even Fall.

AFH 3100 CAH-HIST 3(3,0)
American History from 1870 to 1945: PR: C.I. Sub-Saharan African Institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0)

AFA 4729 CAH-AAS 3(3,0)
Colloquium in African Studies: PR: Graduate standing or C.I. Readings on selected topics in African Studies. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or C.I. Survey courses covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFA 1101CB ECS-AFROTC 1(1,2)

AFA 1111CB ECS-AFROTC 1(1,2)
AFR 2130C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFR 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communication skills, and basic leadership styles. Hands on training. Fall.

AFR 3230C ECS-AFROTC 3(3,2) Air Force Evaluation and Management II: PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.


AFR 4210C ECS-AFROTC 3(3,2) National Security Affairs and Prep for Active Duty II: An examination of defense implementation and its impact on the decision-making process. A study of the military justice system and its protection of individual rights. Spring.

AMH 2010 CAH-HIST 3(3,0) U.S. History: 1492-1877: Survey of U.S. History from 1492-1877. Fall, Spring.


AMH 2020 CAH-HIST 3(3,0) U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.


AMH 3370 CAH-HIST 3(3,0) American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.

AMH 3402 CAH-HIST 3(3,0) History of the South to 1865: PR: AMH 2010 or AMH 2020, or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun's constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0) History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.


AMH 3425 CAH-HIST 3(3,0) Sunbelt Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. Occasional.

AMH 3441 CAH-HIST 3(3,0) History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.

AMH 3442 CAH-HIST 3(3,0) History of the Frontier: Western America: PR: AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.

AMH 3541 CAH-HIST 3(3,0) U. S. Military History To 1900: PR: AMH 2010 and AMH 2020. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.

AMH 3547 CAH-HIST 3(3,0) U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U.S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. Occasional.


AMH 3586 CAH-HIST 3(3,0) History of the Hispanic Minorities in the U.S.: Course begins with Hispanic presence through the modern period. Special emphasis on Chicano/a, Puerto Ricans, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0) Sport in America 1845-: PR: AMH 2010, AMH 2020, or C.I. History of sport emphasizing development of professional and collegiate sport since 1845. Occasional.

AMH 3611 CAH-HIST 3(3,0) Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. Odd Spring.

AMH 3800 CAH-HIST 3(3,0) Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.

AMH 4110 CAH-HIST 3(3,0) Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0) The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.


AMH 4140 CAH-HIST 3(3,0) Jeffersonian America: PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.

AMH 4160 CAH-HIST 3(3,0) Civil War and Reconstruction: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. Occasional.

AMH 4201 CAH-HIST 3(3,0) The Gilded Age and Progressivism: PR: AMH 2010 and AMH 2020, or C.I. The rise of industrialization and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. Occasional.

AMH 4231 CAH-HIST 3(3,0) American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.

AMH 4270 CAH-HIST 3(3,0) United States History: 1939-1960: PR: AMH 2010 and AMH 2020, or C.I. World War II, the Cold War and America in the fifties. Occasional.

AMH 4273 CAH-HIST 3(3,0) U. S. History Since 1960: PR: AMH 2010 and AMH 2020 or C.I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. Occasional.

AMH 4311 CAH-HIST 3(3,0) American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.

AMH 4313 CAH-HIST 3(3,0) American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presenstism. Occasional.

AMH 4376 CAH-HIST 3(3,0)
U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.

AMH 4510 CAH-HIST 3(3,0)

AMH 4512 CAH-HIST 3(3,0)

AMH 4513 CAH-HIST 3(3,0)

AMH 4573 CAH-HIST 3(3,0)
Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.

AMH 4644 CAH-HIST 3(3,0)

AMH 4650 CAH-HIST 3(3,0)

AMH 4680 CAH-HIST 3(3,0)
Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.

AMH 5116 CAH-HIST 3(3,0)
Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. Occasional.

AMH 5137 CAH-HIST 3(3,0)
Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0)
Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0)
Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0)
Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion of the literature on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0)
Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0)
Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0)
History of Technology: PR: Graduate standing or C.I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.

AMH 5391 CAH-HIST 3(3,0)
Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0)
Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0)
Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0)
Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0)
Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0)
AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3635 CAH-ENG 3(3,0)
Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, focusing on U.S. slavery styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0)
Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.

AML 3643 CAH-ENG 3(3,0)
Contemporary Native American Prose and Poetry: PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Momaday's House Made of Dawn (1968) and American Indian prose and poetry since that time. Occasional.

AML 3682 CAH-ENG 3(3,0)

AML 3682H CAH-ENG 3(3,0)
Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0)
American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major American novelists. Occasional.

AML 4153 CAH-ENG 3(3,0)
American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.

AML 4155 CAH-ENG 3(3,0)
Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Major poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0)
Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. Occasional.

AML 4265 CAH-ENG 3(3,0)
Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 4300 CAH-ENG 3(3,0)
Major American Authors: PR: Grade of C (2.0) or better required in ENC 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4304 CAH-ENG 3(3,0)
Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENC 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.

AML 4321 CAH-ENG 3(3,0)
Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern American literature. Occasional.

UCF Courses and Descriptions
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AML 4630 CAH-ENG 3(3,0)
Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 304. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AML 5076 CAH-ENG 3(3,0)
American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of America Literature. This course surveys texts produced in America from the colonial period to the present. Occasional.

AML 5156 CAH-ENG 3(3,0)
Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hardy, Crane, Moore, W.C.Williams, etc.) within the Modernist movement in American poetry. Occasional.

ANG 5100 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5165 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

ANG 5166 COS-ANTHRO 3(3,0)
Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.

ANG 5167 COS-ANTHRO 3(3,0)
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5228 COS-ANTHRO 3(3,0)
Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANG 5307 COS-ANTHRO 3(3,0)
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5437 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 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.

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Spring.

ANG 5622 COS-ANTHRO 3(3,0)
Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Odd Fall.

ANG 5741 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

ANT 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 2000H COS-ANTHRO 3(3,0)

ANT 2100 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0)

ANT 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past appears in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0)
Archaeological Method and Theory: A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: 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 ANT 2100 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 emphases on myth, rite, 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) 

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 3313 COS-ANTHRO 3(3,0) 

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 3316 COS-ANTHRO 3(3,0) 

ANT 3318 COS-ANTHRO 3(3,0) 
Indians of the Northwest Coast: PR: ANT 2000 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) 

ANT 3320 COS-ANTHRO 3(3,0) 

ANT 3330 COS-ANTHRO 3(3,0) 
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.

ANT 3344 COS-ANTHRO 3(3,0) 

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 death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3362 COS-ANTHRO 3(3,0) 

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) 

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) 
Primateology: 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) 

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) 

ANT 4013 COS-ANTHRO 3(3,0) 

ANT 4034 COS-ANTHRO 3(3,0) 

ANT 4101 COS-ANTHRO 3(3,0) 
Archaeological Sciences: PR: ANT 2511, or ANT 2100, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4144 COS-ANTHRO 3(3,0) 
Protohistory 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. Archaeological interpretations of death; basic data collection, skeletal analysis and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4266 COS-ANTHRO 3(3,0) 

ANT 4308 COS-ANTHRO 3(3,0) 

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 4340 COS-ANTHRO 3(3,0) 

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) 

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 ANT 2511 or C.I. The field of medical anthropology. Topics will include comparative anatomy, morphology, physiology, and epidemiology. 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4525C</td>
<td>COS-ANTHRO</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 4526C</td>
<td>COS-ANTHRO</td>
<td>5</td>
<td>Advanced Forensic Anthropology: PR: ANT 4525C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Even Spring.</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>COS-ANTHRO</td>
<td>3</td>
<td>Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>COS-ANTHRO</td>
<td>9</td>
<td>Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.</td>
</tr>
<tr>
<td>ARA 1120C</td>
<td>CAH-LANG</td>
<td>4</td>
<td>Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Fall.</td>
</tr>
<tr>
<td>ARA 1120H</td>
<td>CAH-LANG</td>
<td>4</td>
<td>Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.</td>
</tr>
<tr>
<td>ARA 1121C</td>
<td>CAH-LANG</td>
<td>4</td>
<td>Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.</td>
</tr>
<tr>
<td>ARA 2200</td>
<td>CAH-LANG</td>
<td>3</td>
<td>Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.</td>
</tr>
<tr>
<td>ARA 2201</td>
<td>CAH-LANG</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>ARE 2011</td>
<td>EF-CFC</td>
<td>3</td>
<td>Early Childhood Art and Creativity: An examination of developmental patterns in children’s artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 3944</td>
<td>CAH-ART</td>
<td>3</td>
<td>Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.</td>
</tr>
<tr>
<td>ARE 4250</td>
<td>ED-TLP</td>
<td>3</td>
<td>Art for Exceptionalities: PR: EDG 4233 and at least junior standing or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.</td>
</tr>
<tr>
<td>ARE 4262</td>
<td>CAH-ART</td>
<td>3</td>
<td>Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing, and administering art programs for a variety of populations. Occasional.</td>
</tr>
<tr>
<td>ARE 4313</td>
<td>ED-TLP</td>
<td>1</td>
<td>Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4722, RED 4519, MAE 4326, and EDE 3943. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 4351</td>
<td>ED-TLP</td>
<td>3</td>
<td>Teaching Art in the Elementary School: PR: EDF 4214 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&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 4352</td>
<td>ED-TLP</td>
<td>3</td>
<td>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 high junior and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring, M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 4356</td>
<td>ED-TLP</td>
<td>3</td>
<td>Teaching Art Appreciation &amp; Criticism in the Classroom: PR: ARA 2200, PR: Permission of Honors. Concepts and methods of understanding art in the classroom. May be repeated for credit. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 4453</td>
<td>ED-TLP</td>
<td>3</td>
<td>Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 4945</td>
<td>CAH-ART</td>
<td>12</td>
<td>Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.</td>
</tr>
<tr>
<td>ARE 5251</td>
<td>ED-TLP</td>
<td>3</td>
<td>Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.</td>
</tr>
<tr>
<td>ARE 5255</td>
<td>ED-TLP</td>
<td>3</td>
<td>Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.</td>
</tr>
<tr>
<td>ARE 5359</td>
<td>ED-TLP</td>
<td>4</td>
<td>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. Organization, design, and analyze art learning for students K-12. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARE 5454</td>
<td>ED-TLP</td>
<td>3</td>
<td>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&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>CAH-ART</td>
<td>3</td>
<td>History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.</td>
</tr>
<tr>
<td>ARH 2050H</td>
<td>CAH-ART</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>CAH-ART</td>
<td>3</td>
<td>History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.</td>
</tr>
<tr>
<td>ARH 2051H</td>
<td>CAH-ART</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 2500</td>
<td>CAH-ART</td>
<td>3</td>
<td>History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.</td>
</tr>
<tr>
<td>ARH 3454</td>
<td>CAH-ART</td>
<td>3</td>
<td>Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of &quot;Total Art&quot; in its attempt to break down customary distinctions between life and art. Occasional.</td>
</tr>
<tr>
<td>ARH 3471</td>
<td>CAH-ART</td>
<td>3</td>
<td>Art in the Last 25 Years: PR: ARH 2500 and ARH 2501 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.</td>
</tr>
<tr>
<td>ARH 3520</td>
<td>CAH-ART</td>
<td>3</td>
<td>African Art: PR: Junior status, ARH 2500, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.</td>
</tr>
<tr>
<td>ARH 3570</td>
<td>CAH-ART</td>
<td>3</td>
<td>Ceramics of the Muslim World: PR: ARH 2505 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.</td>
</tr>
<tr>
<td>ARH 3610</td>
<td>CAH-ART</td>
<td>3</td>
<td>American Art: PR: ARH 2505 and ARH 2501 or C.I. Surveys American Art from 1300 to 1800. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.</td>
</tr>
</tbody>
</table>
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 printing in the Western world, surveying works by the "great printers." Occasional.

ARH 3728 CAH-ART 3(3,0)

ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration Vistas: PR: Junior Standing or C.I. Grants 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. Examining 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.

ARH 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 4454 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-Colombia, 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. A survey of the art of Mexico and Central America, from the Pre-Colombia, through the Spanish Colonial, to the 20th century. Occasional.

ART 1201C CAH-ART 3(3,0)
Beginning Painting: PR: ARH 2050 and ART 2201C or C.I. An introduction to painting principles and techniques. M&S fee: $35.00

ART 1202C CAH-ART 3(3,0)
Beginning Sculpture: PR: Three semester hours in studio art. ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall, Spring. M&S fee: $35.00

ART 1275C CAH-ART 3(3,0)
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 2280 CAH-ART 3(3,0)
Art as Interface: PR: Consent of Honors. An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared among the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2280H 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 3175C CAH-ART 3(2,4)

Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2300C, ART 2301C, and ART 3170C. Reinforces and extends methods and tools for finishing computer and traditional animations. May be repeated for credit. M&S fee: $45.00

ART 3176C CAH-ART 3(2,4)

The Illuminated Book: PR: ART 2201C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and song using a variety of media. Occasional. M&S fee: $45.00

ART 3332C CAH-ART 3(2,4)

Intermediate Drawing: PR: ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.

ART 3433C CAH-ART 3(2,4)


ART 3504C CAH-ART 3(2,4)

Intermediate Painting: PR: ART 2201C, 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 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 3709C CAH-ART 3(2,4)


ART 3737C CAH-ART 3(2,4)


ART 3760C CAH-ART 3(2,4)


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)

Historical Processes and Styles in Art: PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression with an emphasis on the individual creation of visual art objects. With Honors content. Occasional.

ART 3838C CAH-ART 3(4,2)

Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

ART 3950 CAH-ART 0(0,0)


ART 4132C CAH-ART 3(2,4)

Advanced Fiber And Fabrics: PR: ART 2201C, ART 2300C, ART 2301C, ART 2310C, and a satisfactory portfolio review or C.I. Technical design and production, including non-traditional fibers. May be repeated for credit. Occasional. M&S fee: $5.00

ART 4172C CAH-ART 3(2,4)


ART 4173C CAH-ART 3(2,4)


ART 4174C CAH-ART 3(2,4)


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)


ART 4320C CAH-ART 3(2,4)

Advanced Drawing: PR: ART 2201C, ART 2300C, ART 2301C, ART 2332C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-ART 3(2,4)

Advanced Printmaking: PR: ART 2201C, 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: $35.00

ART 4505C CAH-ART 3(2,4)

Advanced Painting: PR: ART 2201C, ART 2300C, ART 2301C, ART 3151C, and ART 3154C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee: $15.00

ART 4634C CAH-ART 3(3,1)

Web Art: PR: ART 2820 or C.I. The Web as a medium for the Web. M&S fee: $45.00

ART 4710C CAH-ART 3(2,4)

Advanced Sculpture: PR: ART 2201C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $45.00

ART 4765C CAH-ART 3(2,4)

Ceramic Handbuilding II- Promotion: PR: ART 2201C, 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 4778C CAH-ART 3(2,4)


ART 4935 CAH-ART 3(3,1)

BFA Exhibit/Seminar: PR: ART 2201C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Fall, Spring. M&S fee: $15.00

ART 4945L CAH-ART 6(0,6)

Advanced Design Lab: PR: ART 2201C, 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 4975 CAH-ART 3(2,4)


ART 5109C CAH-ART 3(2,4)

Multi-Cultural Arts Design: PR: ART 2201C, 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, Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and the computer as a visual design concepts and tools. 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)
Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

ART 5695 CAH-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 interactions systems and technologies in contemporary society and culture including place making, way finding, progress. Interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0)
Concourse I: PR: ART 5500 and ART 5550 or ART 5694, 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 prereq), graduate status or senior standing, or C.I. Seminar class on public 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. Professor will meet with the class as a group periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 5 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. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0)
Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 18th century. Occasional.

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 18th 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, 19th and 20th Centuries: PR: Modern Japan, 18th century to 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 student 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 5408 CAH-HIST 3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C. I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5490 CAH-HIST 3(3,0)
Introduction to Signed English and Culture of the Deaf: PR: Graduate 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 5491 CAH-HIST 3(3,0)
Introduction to Signed English and Culture of the Deaf: PR: Graduate standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

AST 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.

AST 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.

AST 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.

AST 3444 HPA-COM SC&DIS 3(3,0)
Introduction to Signed English and Culture of the Deaf: PR: Graduate standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

AST 4161C HPA-COM SC&DIS 4(3,1)

AST 4201 HPA-COM SC&DIS 4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. Occasional.

AST 4301 HPA-COM SC&DIS 3(3,0)
Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonology, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

AST 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 meteors 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

AST 4700 COS-PHYS 3(3,0)

AST 4762 COS-PHYS 3(3,0)
Astronomical Data Analysis: PR: MAC 2313, and an upper level course in astronomy or planar science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Odd Fall.

AST 5154 COS-PHYS 3(3,0)
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.

AST 5165 COS-PHYS 3(3,0)
Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3111, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5263 COS-PHYS 3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0)
Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0)
Advanced Astronomical Data Analysis: PR: MAC 2313, a 300-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Occasional.

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)

BCH 4103L COS-CHEM 2(0,6)
Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00

BME 5572 ECS-EC 3(3,0)
Biomedical Nanotechnology: PR: EEE 3350 or C.I. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biosips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Occasional.

BOT 3018C COS-BIOL 3(1,2)
Culinary Botany Across the Cultures: PR: BOT 3800, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee: $9.50

BOT 3152C COS-BIOL 3(1,4)
Local Flora: PR: BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. Occasional.

BOT 3800 COS-BIOL 3(3,0)
Ethnobotany: PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 3820C COS-BIOL 3(2,1)
Plants and the Urban Environment: PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee: $15.00

BOT 4156C COS-BIOL 4(2,6)

BOT 4223C COS-BIOL 4(3,3)
Plant Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional. M&S fee: $15.00

BOT 4303C COS-BIOL 5(3,6)
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&S fee: $40.00

BOT 4434C COM-M&M 4(3,1)
General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.

BOT 4503 COS-BIOL 3(3,0)
Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4503L COS-BIOL 1(0,3)
Plant Physiology Laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&S fee: $15.00

BOT 4686C COS-BIOL 4(3,3)
Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

BOT 4713C COS-BIOL 5(3,6)

BOT 5485C COS-BIOL 3(2,3)
Terrestrial Cryptogams: PR: BOT 4303C, graduate status or senior standing, or C.I. A lecture-laboratory course on the biodiversity and classification of terrestrial cryptogams (bryophytes, ferns, and fern allies) with special emphasis on those found in Florida. Occasional. M&S fee: $15.00

BSC 1005 COS-BIOL 3(3,0)
Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005H COS-BIOL 3(3,0)
Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment, the role of human population preserving ecological integrity. Occasional.

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee: $15.00

BSC 1050 COS-BIOL 3(3,0)

BSC 1050H COS-BIOL 3(1,4)

BSC 1050L COS-BIOL 1(0,2)
Biological and Environmental Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee: $15.00

BSC 2010C COS-BIOL 4(3,2)
Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $15.00

BSC 2010H COS-BIOL 4(3,3)
General Biology Honors: PR: Permission of Honors. Selection of students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee: $24.00

BSC 2011C COS-BIOL 4(3,3)
Biology II: PR: 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&S fee: $20.00

BSC 2011H COS-BIOL 4(2,6)
Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field. Occasional.

BSC 2420 COM-M&M 3(3,0)
Principles of Biotechnology: Principles; applications, laws, ethics and impact, on society of biotechnology in agriculture, medicine, forestry, environment, computers/industrial/chemical engineering and business management. Occasional.
BSC 3403C COS-BIOL 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 3404H COS-BIOL 4(3,4)
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological research.Honors level content. Fall.

BSC 3424 COS-BIOL 3(0,3)
Nanobiotechnology: PR: MCB 1210, 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(0,3)

BSC 4312C COS-BIOL 4(3,3)
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 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) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9)
Advanced Biology Laboratory Techniques: PR: BS degree. C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches; and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00.

BSC 5418 COS-BIOL 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 5817 COS-BIOL 4(3,0)
Biotechnology in Education: 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(1,0)
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(0,3)
Course Construction in Business Education: PR: EVT 3385 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational instruction. 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, contracts, 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 COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-CS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia; 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)
Al 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 COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 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 5610 ECS-CS 3(3,0) Machine Learning: PR: CAP 4630 or C.I. Investigates role of machine intelligence, machine learning concepts and their applications in problem solving, planning and expert systems symbolic role of human and computers. Fall.

CAP 5636 ECS-CS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. An introduction to 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 ECE-CEE 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 ECE-CEE 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 ECE-CEE 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 ECE-CEE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CEE 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 ECE-CEE 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 ECE-CEE 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 ECE-CEE 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 ECE-CEE 3(3,0) Construction Methods: PR: Post-bac status or C.I. This course covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.


CCE 5615 ECE-CEE 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-C/L 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-C/L 3(3,0) Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3058 HPA-C/L 3(3,0) Origins of Criminal Justice: PR: CCJ 3024. Study of criminal justice system evolution. Focus on developments contributing to the institutions and practices of the American criminal justice system. Occasional.

CCJ 3450 HPA-C/L 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-C/L 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-C/L 4(4,0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3667 HPA-C/L 3(3,0) Victims and the CJ System: PR: CCJ 3024. Course examines the impact of criminal justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-C/L 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-C/L 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-C/L 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-C/L 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-C/L 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-C/L 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-C/L 3(3,0) Death Penalty: PR: CCJ 3004. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4461 HPA-C/L 3(3,0) Organized Crime: An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.


CCJ 4651 HPA-C/L 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-C/L 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-C/L 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-C/L 3(3,0) Research Methods in Criminal Justice: An 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-C/L 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.
UCF Courses and Descriptions

CET 5706  ECE-CEE  3(3,0)
Advanced Reinforced Concrete: PR: CET 4702 or C.I.
Design of frames, two-way floor systems, shear walls, shear and
torsion; compression field theory; inelastic analysis;
wind and seismic design; introduction to prestressed con-
crete. Occasional.

CET 5821  ECE-CEE  3(3,0)
Masonry and Timber Design: PR: C.I. Structural prop-
erties 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 program-
ning language. Microcomputer assembly programming,
including overview of architecture and operating system.
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)
Finite State Machines and Algorithmic 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 imple-
mentation 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 main-
tenance 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 con-
nectivity and services of telephony. Fall.

CET 4134C  ECS-ENT  3(2,4)
Microprocessor Electronics II: PR: Digital Circuits I or
C.I. Architecture and software programming, 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: $45.00.

CET 4138C  ECS-ENT  3(3,2)
Digital Programmable Devices: PR: CET 3198C or
equivalent. The MC68030 software and architecture
programming applications of various types of programmable logic devices. Design entry meth-
ods, e.g. HDL, schematic capture, etc. Lab exercises using
PALS, PLDs, and FPGA's. Occasional.

CET 4333  ECS-ENT  3(3,0)
Computer Organization and Design: PR: CET 3115C.
Basic computer architecture and system design. An intro-
duction to memory, processor, Bus and I/O organization.
Occasional.

CET 4334C  ECS-ENT  3(2,2)
Applied Computer Systems: PR: CET 4332. Introduction
to CET 4335. High performance computer architecture.
Parallel processing and scalable shared-memory multipro-
cessing. May be repeated for credit. Occasional.

CET 4427  ECS-ENT  3(3,0)
Applied Database I: PR: CET 2364 or equivalent. Design
and implementation of data base systems within the con-
cept 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)
Applied Infobases: PR: ETI 3561C, CET 2124 or equiva-
 lent, C.I. Using computer application packages to create,
use, and index both personal and technical infobases.
Hardware and software optimization. Enhancement add-ins.
Intranet applications. Occasional.

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, topolo-
gies, 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 systems to support new types of devices.
Analysis of limitations and strengths of commercial mass
storage operating systems in industry. O.S. tool box usage.
May be repeated for credit. Fall.

CET 4523  ECS-ENT  3(3,0)
Applied Systems Analysis II: PR: CET 3383. Continuation
of CET 3383, with emphasis on distributed processing which
includes the interfacing of microprocessors, databases,
software, communications, and data base technology into a respon-
sive 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)
Computer and Network Security: PR: CET 2364, MAC
1105. Fundamentals of computer security technology,
including cryptography, authentication, digital signatures,
and network security tools and applications. Fall.

CET 4668  ECS-ENT  3(3,0)
Practice of Information Security: PR: CET 4663. Practice
of Information Security including technical security issues,
legal issues, physical and operational security, and security
architecture and models. Occasional.

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 com-
munication 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, structure, choosing appropriate
technologies, and evaluating results. Fall.

CET 4749  ECS-ENT  3(3,0)
Wide Area Networks II: PR: CET 4748. Traffic, cost
generators. Access network design. Multispeed access
designs. Multifaceted-access and mesh network design.
Spring.

CET 4882  ECS-ENT  3(3,0)
Network Defense Strategies: PR: CET 4663. Secure
implementation and use of preventative controls when
designing network architectures. Tools covered include
firewalls, routers, and other components. Occasional.

CET 4884  ECS-ENT  3(3,0)
Security Methods and Practice: PR: CET 4663, CET
4485 or C.I. Computer networks, secure telecommunications
networks, disaster recovery, and the legal issues of
security practices. Spring.

CET 4885  ECS-ENT  3(3,0)
Investigative Digital Technology: PR: CET 4884. Security
administration including vulnerability analysis, procedures
and tools for security assessment. Fall.

CET 4889  ECS-ENT  3(3,0)
Security Sensor Technology and Biometrics: PR:
CET 4663 or C.I. Biometric identification. Techniques for
extracting traits information for individual identification. Topics
include multimodal biometrics, performance evaluation,
bimetric templates and privacy. Spring.

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 tech-
nologies, 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 con-
crete, bituminous, polymers and composite materials. Fall.
Spring. M&S fee: $30.00.

CGN 4000  ECS-CEE  3(3,0)
Civil Engineering Systems: PR: EGN 3613, MAC 2313;
STA 3032. Mathematical techniques commonly associ-
ated 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 fol-
lowing courses - TTE 4601C, CES 4608C, CWR 4812C,
ENV 4562C, CEG 4801C, or CES 4608C. An inter-
disciplinary capstone design experience requiring problem
definition, data collection, analysis of alternatives, economic
evaluation of alternatives, and oral and written presentation
of final design. Fall, Spring.
CGN 5320C ECS-CEE 3(2,2)  

CGN 5504C ECS-CEE 3(2,2)  
Civil Engineering Materials: PR: EGN 3365, EGN 3333, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-CEE 3(2,2)  

CGS 1060C ECS-CS 3(2,2)  
Introduction to Computer Science: History, typical computer, number systems, and control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall, Spring. M&S fee: $15.00

CGS 1060H ECS-CS 3(2,2)  
Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Occasional. M&S fee: $15.00

CGS 2100C ECS-CS 3(2,1)  
Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. Fall, Spring. M&S fee: $15.00

CGS 2545C ECS-CS 3(2,1)  

CGS 2585C ECS-CS 3(2,1)  

CGS 3175 ECS-CS 3(3,0)  
Internet Applications: PR: CGS 1060C. HTML coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall. Spring.

CGS 3269 ECS-CS 3(3,0)  

CGS 3763 ECS-CS 3(3,0)  

CGS 4144 ECS-CS 3(3,0)  

CGS 5131 ECS-CS 3(3,0)  

CGS 5132 ECS-CS 3(3,0)  

CHI 1120C CAH-LANG 4(3,1)  
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0)  
Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.

CHI 1121C CAH-LANG 4(3,1)  
Elementary Chinese Language and Civilization II: PR: Chi 1120C or equivalent. Continuation of Chi 1120C. Spring.

CHI 1121H CAH-LANG 4(4,0)  

CHI 2200 CAH-LANG 3(3,0)  
Intermediate Chinese I: PR: Chi 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0)  
Intermediate Chinese II: PR: Chi 2200 (Intermediate Chinese I). Continuation of Chi 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0)  
Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0)  
General Chemistry: PR: MAC 1105 or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The “NC” grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM 1(0,3)  
General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00

CHM 2040C COS-CHEM 3(2,1)  
Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Basic principles of chemistry, atomism, chemical bonding, periodicity, stoichiometry, equilibria, thermodynamics, and kinetics. The “NC” grading policy applies to this course. Fall, Spring. M&S fee: $25.00

CHM 2045C COS-CHEM 4(3,1)  
Chemistry Fundamentals II: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Basic principles of chemistry, atomism, chemical bonding, periodicity, stoichiometry, equilibria, thermodynamics, and kinetics. The “NC” grading policy applies to this course. Fall, Spring. M&S fee: $25.00

CHM 2045H COS-CHEM 3(3,0)  
Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Not open to students with credit in both CHM 2040C and CHM 2041C. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee: $25.00

CHM 2046 COS-CHEM 3(3,0)  
Chemistry Fundamentals II: PR: “C” grade or better in CHM 2045C or CHM 2041C. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Fall, Spring.

CHM 2046H COS-CHEM 3(3,0)  
Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. Spring. M&S fee: $35.00

CHM 2046L COS-CHEM 1(0,3)  
Chemistry Fundamentals Laboratory: CR: CHM 2046. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedure is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00

CHM 2205 COS-CHEM 5(5,0)  
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemical aspects of biological structures and the survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM 3(3,0)  

CHM 2211L COS-CHEM 2(0,6)  
Organic Laboratory Techniques I: PR: CHM 2210. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00

CHM 3120 COS-CHEM 3(3,0)  
Analytical Chemistry: PR: CHM 2467. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 1(0,3)  
Analytical Chemistry Laboratory: PR: CHM 2467, CHM 2467L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using spectrophotometric and potentiometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Occasional. M&S fee: $25.00
CHM 3212L COS-CHEM 2(0,6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall. M&S fee: $45.00

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049, and MAC 2311. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411 COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee: $45.00

CHM 3422 COS-CHEM 3(3,0)
Applied Physical Chemistry: PR: PHY 2049 and PHY 2054 L, and MAC 2311. Physical chemistry as applied to the study of biology and forensic science. Fall.

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of 'C' or 2.0) and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistcal data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(3,0)

CHM 4610 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2111 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall. Spring.

CHM 4930 COS-CHEM 1(1.0)
Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4014. 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.

CHM 5225 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3,0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305 COS-CHEM 3(3,0)
Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee: $45.00

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: PR: CR: CHM 3120 and MAC 2311, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 3(2,3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratories will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1)
Fundamentals of Chemistry for Engineers: PR: Any year of high school chemistry or CHM 1022. Basic concepts of chemistry with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: 'C' or better in CHM 2046 & L, or C.I. Informed for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crime lab). Spring.

CHS 3505C COS-CHEM 4(2,6)
Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L, or C.I. This advanced course covers the identification and comparison of trace evidence. Fall. M&S fee: $45.00

CHS 3511C COS-CHEM 3(2,6)
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&S fee: $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 3120, CHM 3410, CHM 2211, CHM 2211L, and CHS 3505C. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00

CHS 3533 COS-CHEM 2(2,0)
Forensic Biochemistry I Laboratory: PR: 'C' or better in BSC 2010C, PCB 3063 & L, and PCB 3233 & 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&S fee: $30.00

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry I Laboratory: PR: 'C' or better in BSC 2010C, PCB 3063 & L, and PCB 3233 & L. Laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for the investigating and preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courthouse: PR: CHS 3501. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,8)

CHS 4200 COS-CHEM 3(3,0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of 'C' or better in CHS 3511C. Modern technology applied to forensic investigation. Occasional.

CHS 4515C COS-CHEM 4(2,6)
Forensic Crime Scene Investigation: PR: Grade of 'C' or better in CHM 3120, CHS 3511C, CHS 3505C, CHS 4505C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4532 COS-CHEM 3(3,0)
Interpretation of DNA Evidence: PR: Grade of 'C' or better in CHS 3536C. Concepts and principles of genetic data analysis as applied to forensics. Occasional.

CHS 4534C COS-CHEM 3(1,6)

CHS 4537 COS-CHEM 2(2,0)
Forensic Laboratory Quality Assurance: PR: Grade of 'C' or better in CHS 3501, CHS 3505C, and CHS 3536C. Concepts and procedures of quality assurance and quality systems management in forensic laboratories. Odd Fall.

CHS 4541C COS-CHEM 2(1,3)
Fire and Debris Analysis II: PR: CHS 3500C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.
UCF Courses and Descriptions

CJJ 4564 HPA-CJ/LS 3(3,0)
Delinquency Control: PR: CCJ 3024 and CJL 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Fall, Spring.

CJJ 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.

CJJ 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 charging, adjudicating, and sentencing defendants. Fall, Spring.

CJJ 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 wiretap orders; and, interrogations. Occasional.

CJJ 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.

CJJ 4410 HPA-CJ/LS 3(3,0)
Legal Aspects of the Criminal Court Process: PR: CJ 3510. The legal dimension of various criminal court decision making stages, including bail; charging; preliminary hearing; grand jury; pretrial hearings; trial; and, sentencing. Occasional.

CJJ 4514 HPA-CJ/LS 3(3,0)

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.

CJL 3803 HPA-CJ/LS 3(3,0)

CJL 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.

CJL 4843 HPA-CJ/LS 3(3,0)
Risk Management in Criminal Justice/Private Security: PR: SCC 311. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004 COS-PSYCH 3(3,0)

CLP 3143 COS-PSYCH 3(3,0)

CLP 3143H COS-PSYCH 3(3,0)

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 3343. 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 3343. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PSYCH 3(2,2)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134 COS-PSYCH 3(3,0)

CLP 4314 COS-PSYCH 3(3,0)
Health Psychology: PR: CLP 3343, PSE 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/incapacity, treatment, and criminal profiling. Spring.

CLP 4402C COS-PSYCH 3(2,2)

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. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLT 3370 CAH-PHI 3(3,0)
Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 CAH-PHI 3(3,0)
Comparative Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, LIT 2110, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CLM 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 3004 ECS-CS 3(3,0)

CNT 4403 ECS-CS 3(3,0)
Network Security and Privacy: PR: (CNT 3004 or CET 4483 or CNT 4704) and (CIS 3369 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 (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. Fall, Spring. MEE & fee: $10.00

CNT 4704 ECS-CS 3(3,0)
Analysis of Computer Communication Networks: PR: COP 3100C, STA 2013, MAC 2311. Network design using layering, introduction to topologies, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CNT 4714 ECS-CS 3(3,0)

CNT 5008 ECS-CS 3(3,0)

COM 1000 COS-COMM 3(3,0)
Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1)
Sports Speaking and Interviewing: PR: SPE 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)

COM 3013 COS-COMM 3(3,0)
Communication and the Family: PR: SPE 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, SPE 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professional tasks. Fall, Spring.
COM 3110H COS-COMM 3(3,0) Honors Business and Professional Communication: PR: Majors only, SPC 1608 or C.I. consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors consent. Occasional.

COM 3120 COS-COMM 3(3,0) Organizational Communication: PR: COM 3311. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3,0) Communication Research Methods: PR: STA 2044C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0) Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0) Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3,0) Role of Motivation in Communication: PR: COM 3311. Motivation theories that directly affect the process of human communication. Occasional.

COM 4014 COS-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 COS-COMM 3(3,0) Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0) Conflict Management: PR: 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 contexts of hierarchies. Study of communication functions and problems within the contexts of hierarchies. 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 1116. 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 COT 3100C and (MA 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 3330) and (MA 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With Honors consent. Fall.

COP 4020 ECS-CS 3(3,0) Programming Languages I: PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented. Including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms and 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 3960. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COT 3960. 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; CS 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 COT 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 COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow, abstract interpretation, and ype and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory, algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COP 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 3503C AND COP 3531. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3100C. 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 3531C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(0) grammars. Fall, Spring.
COT 5405 ECS-CS 3(3,0)  

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.

COT 5520 ECS-CS 3(3,0)  

CPO 3034 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)  

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 credit. 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-1848 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 4062 COS-POLS 3(3,0)  

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)  

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 political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0)  

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, distribution 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 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 genre; 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. Literacy genres; practice and critique of peer writing; critical reading of established authors. 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 3113, 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 3113, 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 a grade of C (2.0) or better required in CRW 3113, 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 3113, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0)  
Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3113, 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 3113, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3950 CAH-ENG 3(3,0)  
Creative Writing for Non-Majors: 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 3113, 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 3113, 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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<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 4122</td>
<td>CAH-ENG</td>
<td>Advanced Fiction Writing Workshop</td>
<td>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.</td>
</tr>
<tr>
<td>CRW 4123</td>
<td>CAH-ENG</td>
<td>Science Fiction Writing</td>
<td>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. Workshop format with critique of writing assignments. Occasional.</td>
</tr>
<tr>
<td>CRW 4224</td>
<td>CAH-ENG</td>
<td>Advanced Nonfiction Writing Workshop</td>
<td>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 writing, reading, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4320</td>
<td>CAH-ENG</td>
<td>Advanced Poetry Writing Workshop</td>
<td>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 practice in writing poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4616</td>
<td>CAH-ENG</td>
<td>Advanced Scriptwriting Workshop</td>
<td>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 screenwriting. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4722</td>
<td>CAH-ENG</td>
<td>Editing for Creative Writers</td>
<td>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 practice in editing. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4804</td>
<td>CAH-ENG</td>
<td>Creative Writing in the Community</td>
<td>PR: Junior standing and CRW 3110 or CRW 3120 or CRW 3121. Teaching creative writing to community groups through service-learning. Occasional.</td>
</tr>
<tr>
<td>CRW 5020</td>
<td>CAH-ENG</td>
<td>Graduation Writing Workshop</td>
<td>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.</td>
</tr>
<tr>
<td>CRW 5330</td>
<td>CAH-ENG</td>
<td>Form and Theory in Creative Writing</td>
<td>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.</td>
</tr>
<tr>
<td>CRW 5948C</td>
<td>CAH-ENG</td>
<td>Creative Writing Service Learning</td>
<td>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.</td>
</tr>
<tr>
<td>CRW 4101C</td>
<td>ECS-CEE</td>
<td>Hydrology</td>
<td>PR: STA 3032, CRW 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>CRW 4203C</td>
<td>ECS-CEE</td>
<td>Hydraulics</td>
<td>PR: CRW 3001. Continuation of CRW 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratory with civil and environmental engineering applications. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>CRW 4812C</td>
<td>ECS-CEE</td>
<td>Water Resources Design</td>
<td>PR: CRW 4101C. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>CRW 5125</td>
<td>ECS-CEE</td>
<td>Groundwater Hydrology</td>
<td>PR: CRW 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.</td>
</tr>
<tr>
<td>CRW 5515</td>
<td>ECS-CEE</td>
<td>Numerical Methods in Civil and Environmental Engineering</td>
<td>PR: CRW 4101C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.</td>
</tr>
<tr>
<td>DAA 20100C</td>
<td>CAH-THEA</td>
<td>Modern Dance I</td>
<td>PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.</td>
</tr>
<tr>
<td>DAA 2101C</td>
<td>CAH-THEA</td>
<td>Modern Dance II</td>
<td>PR: Theatre major, Dance minor, or department consent., and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.</td>
</tr>
<tr>
<td>DAA 2200C</td>
<td>CAH-THEA</td>
<td>Ballet II</td>
<td>PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.</td>
</tr>
<tr>
<td>DAA 2201C</td>
<td>CAH-THEA</td>
<td>Ballet I</td>
<td>PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.</td>
</tr>
</tbody>
</table>

**UCF Courses and Descriptions**

- **CRW 3201 ECS-CEE**
  - **Course Title:** Engineering Fluid Mechanics
  - **Prerequisites:** MAP 2302, CR-EGN 3321
  - **Description:** Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

- **CRW 4101C ECS-CEE**
  - **Course Title:** Hydrology
  - **Prerequisites:** STA 3032, CRW 3201
  - **Description:** Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00

- **CRW 4203C ECS-CEE**
  - **Course Title:** Hydraulics
  - **Prerequisites:** CRW 3001
  - **Description:** Continuation of CRW 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratory with civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00

- **CRW 4812C ECS-CEE**
  - **Course Title:** Water Resources Design
  - **Prerequisites:** CRW 4101C
  - **Description:** Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee: $15.00

- **CRW 5125 ECS-CEE**
  - **Course Title:** Groundwater Hydrology
  - **Prerequisites:** CRW 4203C
  - **Description:** Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

- **CRW 5205 ECS-CEE**
  - **Course Title:** Hydraulic Engineering
  - **Prerequisites:** CRW 4101C and CRW 4203C
  - **Description:** Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. Occasional.

- **CRW 5515 ECS-CEE**
  - **Course Title:** Numerical Methods in Civil and Environmental Engineering
  - **Prerequisites:** CRW 4101C
  - **Description:** This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

- **CRW 5545 ECS-CEE**
  - **Course Title:** Water Resources Engineering
  - **Prerequisites:** CRW 4203C
  - **Description:** Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operation research techniques. Occasional.

- **DAA 20100C CAH-THEA**
  - **Course Title:** Modern Dance I
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

- **DAA 2101C CAH-THEA**
  - **Course Title:** Modern Dance II
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.

- **DAA 2200C CAH-THEA**
  - **Course Title:** Ballet
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

- **DAA 2201C CAH-THEA**
  - **Course Title:** Ballet I
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

- **DAA 3612 CAH-THEA**
  - **Course Title:** Dance Improvement/Composition
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Theory and practice of dance composition. Spring.

- **DAA 3645 CAH-THEA**
  - **Course Title:** Choreography Practicum
  - **Prerequisites:** Theatre major, Dance minor, or department consent.
  - **Description:** Theory and practice of dance composition. Spring.
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 2383C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall, Spring.

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. Fall, Spring.

DIG 2000 CAH-DIG 3(3,0)
Introduction to Digital Media: PR: ENC 1105 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 1105. 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)

DIG 3450H CAH-DIG 3(3,0)

DIG 3460C CAH-DIG 3(2,2)

DIG 3525 CAH-DIG 3(3,0)
Digital Media Production I: PR: DIG 2030C, DIG 2109C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics, software tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-DIG 3(2,2)

DIG 3563 CAH-DIG 3(3,0)
Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-DIG 3(2,2)
Internet Interaction: PR: DIG 3840C. Front and planning 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 of user needs to interface design. 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 4233C 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 4323C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-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 composting, image processing, visual style, visual continuity, Spring.

DIG 4369C CAH-DIG  3(1.4)  Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-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 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. Spring.

DIG 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 4455C CAH-DIG  3(3.0)  Interactive Performance II: PR: DIG 3450C or CI. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story 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 in previous courses, including design, creation, and refining visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503C CAH-DIG  3(3.0)  Rapid Application Web Development: PR: DIG 3304C 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 4523L and a minimum grade of "B" (3.0) or better in DIG 4500. Participation as a leader of "B" (3.0) or better in DIG 4500. 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 3525 and a minimum grade of "B" (3.0) or better in DIG 4500. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4529L CAH-DIG  3(0.0)  Digital Media Production II: PR: DIG 4529L and a minimum grade of "B" (3.0) or better in DIG 4500. Continuation of IDS 4502. Odd Fall, Even Spring.

DIG 4630C CAH-DIG  3(2,2)  Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-DIG  3(1,4)  Digital Production in Artificial Environments: PR: DIG 4585C, 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 input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704C CAH-DIG  3(2,2)  Interactive Entertainment: PR: DIG 3124C, DIG 3153, DIG 3525, DIG 3563, and C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-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 2500C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-DIG  3(2,2)  Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713. 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 4785C 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.
DIG 5565C  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 cinematic 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, forensic 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: CCJ 3024 and CJ 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 Aerospace Flight: 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, aerfoil 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  2(2.3)

EAS 3810C ECS-MMAE  3(1.3)
Design of Aerospace Experiments: PR: EAS 3800C and EAS 3810. Continuation 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 windtunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous 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)
Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. Fall.

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: $15.00

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, 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. Graded 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 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EBD 3213 ED-CFCS  3(3.0)
Behavioral Issues of the Emotionally Handicapped: An introduction to functions of the field which include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. Occasional.

EBD 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.
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 economies. Fall, Spring.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Fall, Spring.

ECO 3070 BA-ECON 1(1,0) Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0) Intermediate Microeconomics: PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</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 4945 Internship II. Culinminating 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>
<td></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>
<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 2085</td>
<td>Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators: Critical evaluation 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>
<td></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>
</tr>
<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>
</tr>
<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>
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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>
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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>
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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>
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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in School: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary ethical 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 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>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 6003H</td>
<td>HON Analysis and Application of Ethical, Legal, and Safety Issues in School: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>EDF 6050</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>EDF 7005C</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>
<td></td>
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<tr>
<td>EDF 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>EDF 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 adaptation of instruction for diverse student populations. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>EDF 4410</td>
<td>Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>EDF 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(0.1-8)</td>
<td></td>
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<tr>
<td>EDF 4948</td>
<td>Service Learning: PR: PSY 202 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>EDF 5745</td>
<td>Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>EDF 5941</td>
<td>Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.</td>
<td>2-8(0.11)</td>
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<tr>
<td>EED 5306</td>
<td>Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basis teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations. Occasional.</td>
<td>ECS-MMAE 1(1,0)</td>
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<tr>
<td>EED 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>
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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>
<td></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>
EEC 4207 ED-CFCS 3(3,0) Assessment and Evaluation of Young Children: PR: Admission to the Early Childhood Program and EEC 3700. Early childhood education and services for young children and families. Includes early childhood historical, philosophi-
cal, and sociological perspectives, learning theories and field-based experiences. Fall.

EEC 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.

EEC 4268 ED-CFCS 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

EEC 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Education Program (PreK-3rd 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 gam-
ing. Fall, Spring.

EEC 4402 ED-CFCS 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: Provides the knowl-
edge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


EEC 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.


EEC 4943 ED-CFCS 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.
EEL 4050L ECS-ECE 1(0,3)
ECEC 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, PDI controller and feedback systems, and power conversion. Occasional.

EEL 4130 ECS-ECE 3(3,0)

EEL 4140C ECS-ECE 4(3,3)
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee: $15.00

EEL 4205 ECS-ECE 3(3,0)

EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transistors, 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 4512C ECS-ECE 4(3,3)
Communication Systems: PR: STA 3032, EEL 3552C and EEE 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. Occasional. M&S fee: $15.00

EEL 4515C ECS-ECE 4(3,3)

EEL 4518 ECS-ECE 3(3,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDM and TDMA. May be repeated for credit. Fall.

EEL 4612 ECS-ECE 3(3,0)

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 4750 ECS-ECE 3(3,0)

EEL 4767C ECS-ECE 4(3,3)
Embedded Systems: PR: EEL 3342C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $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. Spring. Fall. M&S fee: $30.00

EEL 4781 ECS-ECE 3(3,0)

EEL 4783 ECS-ECE 3(3,0)
Hardware Description Languages in Digital Systems: Design: PR: EEL 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 2(4,2)
Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C. EEL 3567, EEE 3307C, EEL 3704. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system “inertial upper stages”. Occasional.

EEL 4817H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 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, EEL 3342C. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3)
Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $5.00

EEL 4872 ECS-ECE 3(3,0)
Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3903 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, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3)
Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE: Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0)

EEL 4914 ECS-ECE 3(3,0)
Senior Design I: PR: EEL 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 projects including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presention, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0)

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 4795 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)

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, familiarization 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)  

**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)  
Introduction to Radar Systems: PR: EEL 3552C. Introduction to Pulse and CW Radar Systems. Chirp Radar extraction; introduction to image understanding techniques. Pictorial image representation; spatial filtering; image or C.I. Two-dimensional signal processing techniques; Image Processing:

**EEL 5825** ECS-ECE 3(3,0)  
Pattern Recognition: PR: EGN 3420 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant analysis. 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)  

**EEL 5936** ECS-ECE 3(0,1)  
Current Topics in ECECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

**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 evolvable hardware. Even Fall.

**EEL 5771C** ECS-ECE 3(2,3)  
Engineering Applications of Computer Graphics: PR: EGN 3420 or C.I. Computer graphics in engineering application. Laboratory assignments. Occasional. M&S fee: $5.00

**EEL 5780** ECS-ECE 3(3,0)  
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provision. 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.

**EET 2025C** ECS-ENT 4(3,2)  
Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits. RLC circuits, tuned circuits, resonance and Q, filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00

**EET 3085C** ECS-ENT 4(3,2)  

**EET 3086** ECS-ENT 4(4,0)  

**EET 3143C** ECS-ENT 4(3,2)  

**EET 3716** ECS-ENT 3(3,0)  
Network Analysis: PR: DCAC circuits and Calculus I. Transient analysis of first and second-order circuits, circuit analysis using Laplace Transforms, Transform function, frequency response analysis, and Bode plots. May be repeated for credit. Spring.

**EET 4158C** ECS-ENT 3(2,2)  
Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparator, phase-locked loops, timers, regulators. Other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall, M&S fee: $10.00

**EET 4329C** ECS-ENT 4(3,2)  

**EET 4339C** ECS-ENT 3(2,2)  

**EET 4389C** ECS-ENT 3(2,2)  

**EET 4458C** ECS-ENT 4(3,2)  
Power Systems: PR: EET 3085C and EET 2025C or equivalent. 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.

**EET 4732C** ECS-ENT 4(3,3)  

**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.
Language Development and Communication Disorders: PR: Junior standing, interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

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.


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.

Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

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.


Internship II: PR: EGG 4410, RED 3012, EEX 2010, EEX 3241, MAF 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified class- room teacher. Graded SU. Fall, Spring.


Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. Occasional.

Parentprofessional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

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.

Technology for Classroom Teachers of Students with Special Needs: PR: EEX 2010, RED 3012. LAE 4314, MAF 2801. Enhancer teaching preparation through the use of technology for students with special needs. Fall, Spring.

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 SU. Occasional.

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.

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.

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.


Introduction to Robotics: PR: Engineering majors take EGG 1007C and (EEE 3004 or EGG 3373) ; Computer Science majors take COP 3330, COP 3053C and COP 3130. Introduction to classical and modern topics in robotics: mechanisms and mechatronics, sensors, data processing, and vision, kinematics and dynamics, path and motion planning, control, AI and evolutionary computing, cooperative control and behaviors. Occasional.

Introduction to Engineering: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall, Spring.

Senior standing. Interdisciplinary approach to language development, identification and remediation of communic- ation and language disorders. Occasional.


Incorporating Technology Into the Classroom: PR: EGG 4323. Strategies for secondary general education teachers to use in incorporating technology into the classroom. Fall, Spring.

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.


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, EGG 1007C, EGG 1056C 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.

Introduction to Robotics: PR: Engineering majors take EGG 1007C and (EEE 3004 or EGG 3373) ; Computer Science majors take COP 3330, COP 3053C and COP 3130. Introduction to classical and modern topics in robotics: mechanisms and mechatronics, sensors, data processing, and vision, kinematics and dynamics, path and motion planning, control, AI and evolutionary computing, cooperative control and behaviors. Occasional.


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.

Engineering Analysis-Statics (Honors): PR: Permission of Honors and PHY 2048; CR: MAC 2312. (Honors section for EGG 3310) Advanced treatment of material and additional topics. More challenging assignments. Project work. May be repeated for credit. Fall.
UCF Courses and Descriptions

EIN 3354 ECS-IEMS 3(3,0) Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-IEMS 2(2,2) Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (interpersonal to interpersonal organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2,2) Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-IEMS 3(3,0) Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.


EIN 4364C ECS-IEMS 3(2,2) Industrial Facilities Planning and Design: PR: EIN 3314C, EIN 3354 CR-EIN 4333C, EIN 4391C. Comprehensive design of industrial production systems, including inter-relationships of plant location, process design, and materials handling. Laboratory assignments. Spring. M&S fee: $20.00.

EIN 4391C ECS-IEMS 3(2,3) Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall. Spring. M&S fee: $20.00.

EIN 4450 ECS-IEMS 3(3,0) Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.


EIN 4517 ECS-IEMS 3(3,0) Systems Engineering: PR: STA 2023 or STA 3032 and Senior Standing or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545C ECS-IEMS 3(2,2) Industrial Engineering Applications In The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234 or CI. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.


EIN 4891C ECS-IEMS 3(2,3) Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring. M&S fee: $15.00.

EIN 5108 ECS-IEMS 3(3,0) The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IEMS 3(3,0) Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3,0) Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall. Spring.

EIN 5248C ECS-IEMS 3(2,2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. M&S fee: $20.00.

EIN 5251 ECS-IEMS 3(3,0) Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C ECS-IEMS 3(2,2) Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall. Spring.

EIN 5317 ECS-IEMS 3(3,0) Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-IEMS 3(3,0) Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-IEMS 3(3,0) Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.


EIN 5388 ECS-IEMS 3(3,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods, emphasis on microcomputer-based packages. Occasional.


EIN 5601C ECS-IEMS 3(2,2) Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. Odd Spring. M&S fee: $45.00.

EIN 5936 ECS-IEMS 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011 ED-CFCS 3(3,0) Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.


ELD 4242 ED-CFCS 3(3,0) Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.


EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanostructures, nano-coatings, corrosion, magnetics, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MMAE 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2353C. Nanomaterials processing, nanomachining, nanocompositions, nanocomposites and computations of devices. Occasional.
Processing of polymers, mechanical properties, use in engineering polymers, ceramics, and composites. Phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706, and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C. Spring.

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.


Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


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.


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.


Applications of Technology in Education: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee: $1.00

Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

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.

Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

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.

Communication for Instructional Systems—Application: Applications of technology, communication theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.

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(1,2)

EML 3034C ECS-MMAE 3(3,1)

EML 3101 ECS-MMAE 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a C (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analyses, thermodynamic relations of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic analysis design 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 3303C ECS-MMAE 2(2,3)

EML 3500 ECS-MMAE 3(3,0)

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 4005 ECS-MMAE 3(3,0)

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 4142 ECS-MMAE 3(3,0)

EML 4145 ECS-MMAE 2(2,0)

EML 4220 ECS-MMAE 3(3,0)

EML 4221C ECS-MMAE 2(1,2)

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)

EML 4293 ECS-MMAE 3(3,0)

EML 4304C ECS-MMAE 2(1,3)
Design of Thermo-Fluid Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee: $45.00

EML 4312C ECS-MMAE 3(2,3)
Feedback Control: PR: EGN 3321, MAP 2302, EGN 3737 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 plants utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MMAE 3(3,0)
Turbines for Sustainable Power: PR: EGN 3601, EGN 3365 or EMA 3705, EML 3701 or EAS 3011, 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: $45.00

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 test plan and a test report are completed. Fall, Spring. M&S fee: $45.00

EML 4535C ECS-MMAE 3(2,3)
CADCAM: PR: EGN 3343, EML 3043C, 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)

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 the faculty advisor for career/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 inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.

EML 5066 ECS-MMAE 3(3,0)

EML 5105 ECS-MMAE 3(3,0)
Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.
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 in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design data, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. 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 practice in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0) Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing compositional 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: $10.00

ENC 4312 CAH-ENG 3(3,0) Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 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 Diachetic: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/rhetorical rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0) Editing Professional Writing: PR: Graduate status or senior 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 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. Preparing students to determine writing needs of professional discourse communities, analyze those needs, and design in-house or freelance writing 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) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0) 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 1411. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.
ENG 4614 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4253 CAH-ENG 3(3,0)
The Age of Milton: PR: Graduate status or senior standing or C.I. A selection of dramatic works and selected prose, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. Occasional.

ENL 4220 CAH-ENG 3(3,0)
English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4230 CAH-ENG 3(3,0)
18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0)
English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the English Renaissance period. May be repeated for credit. Occasional.

ENL 4250 CAH-ENG 3(3,0)
Studies in Shakespeare: PR: Graduate status or senior standing or C.I. Emphasis on the major plays of William Shakespeare. May be repeated for credit. Occasional.

ENL 4260 CAH-ENG 3(3,0)
Victorian Literature: PR: Graduate status or senior standing or C.I. Study of the major works of the Victorian period. May be repeated for credit. Occasional.

ENL 4270 CAH-ENG 3(3,0)
Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4280 CAH-ENG 3(3,0)
The Age of Milton: PR: Graduate status or senior standing or C.I. A selection of romantic poetry and selected prose of Shakespeare's period. May be repeated for credit. Occasional.
collection, processing, and disposal of solid and hazardous wastes. Engineering planning and analysis associated with the behavior, ecology and population biology of insects. Management operations and processes in environmental engineering decision-making. Pollution prevention, and sustainability to aid in environmental engineering, including stabilization dewetting and ultimate disposal. Occasional.

Solid and Hazardous Waste Management: PR: Grade of ‘C’ (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, N03, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


Engineering Chemical and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium and reactor engineering. Fall.

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.

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.


Entomology: PR: BSC 2010C and BSC 2011C and graduate standing or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. Occasional. M&S fee: $40.00

Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


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.

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.

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.

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.

Internship I — Secondary: ESE 3940 ED-TLP 3-16(0,3-16) Fall, Spring.

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.
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: ETC 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.

ETC 4243 ECS-ENT 4(4,0) 

ETC 4414C ECS-ENT 3(2,2) 

ETC 4415C ECS-ENT 3(2,2) 

ETD 3350C ECS-ENT 3(2,2) 
Applied CADD: CR: 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.

ETG 3533C ECS-ENT 4(3,2) 
Applied Engineering Strength of Materials: PR: MAC 1116, MAC 1114, EET 3085, 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) 

ETG 4950C ECS-ENT 3(1,4) 
Senior Design Project: CR: 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: CR: 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 3116 ECS-ENT 3(3,0) 

ETI 3418C ECS-ENT 3(2,2) 
Computer Numerical Controls - Machining Applications: PR: ETI 3550C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.

ETI 3421 ECS-ENT 3(3,0) 

ETI 3651C ECS-ENT 3(2,2) 
Computer Applications: CR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.

ETI 3671 ECS-ENT 3(1,3) 

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(1,4) 

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 4480C ECS-ENT 3(2,2) 

ETI 4635 ECS-ENT 3(3,0) 
Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional disciplines 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 4700 ECS-ENT 3(3,0) 

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 language. Principles of technology in the 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 4838 ECS-ENT 3(3,0) 

ETI 4839 ECS-ENT 3(3,0) 

ETM 4220 ECS-ENT 4(4,0) 

ETM 42310 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.
ETM 4331C ECS-ENT 4(3,2) Applied Fluid Mechanics: PR: MAC 2553 or MAC 2311; PHY 2053C or equivalent. An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc. Occasional.


ETM 4755 ECS-ENT 4(4,0) Applied Air Conditioning: PR: ETM 4331C. Analysis of body comfort, psychometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements. Occasional.

EUH 2000 CAH-HIST 3(3,0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUH 2001 CAH-HIST 3(3,0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.


EUH 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I. Fall, Spring.

EUH 3124 CAH-HIST 3(3,0) The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of ‘just war’ and jihad. Even Spring.

EUH 3142 CAH-HIST 3(3,0) Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years’ War. Occasional.

EUH 3235 CAH-HIST 3(3,0) Romanticism and Realism: PR: EUH 2000 and 2001, or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture; religious decline; nationalism, racism, imperialism, and militarism. Occasional.

EUH 3242 CAH-HIST 3(3,0) Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUH 3281 CAH-HIST 3(3,0) Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler’s “New Order,” and resistance movements; Cold War, de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.

EUH 3315 CAH-HIST 3(3,0) History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, culture as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.


EUH 3431 CAH-HIST 3(3,0) History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.

EUH 3431H CAH-HIST 3(3,0) Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. Occasional.

EUH 3451 CAH-HIST 3(3,0) History of Modern France: PR: EUH 2001, EUH 3242 or C.I. The course traces the evolution of France through the study of French political thought, institutional development, social movements, and international roles from 1700 - present. Occasional.

EUH 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1129 to 1534. Occasional.

EUH 3536 CAH-HIST 3(3,0) Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1607 to 1800. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: Evolution of weapons, tactics, strategy, role, social status, recruitment of soldiers; influence of military on government and international efforts to preserve peace. Occasional.


EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. Occasional.


EUH 4465 CAH-HIST 3(3,0) Hitler’s Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War; division and recovery. Occasional.

EUH 4500 CAH-HIST 3(3,0) English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4501 CAH-HIST 3(3,0) English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4571 CAH-HIST 3(3,0) History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion; Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.


EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0) Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.

EUH 4610H CAH-HIST 3(3,0) Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich’s system Czarist Russia, unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.


EVR 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.

EVR 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EVR 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 WWII. Occasional.

EVA 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.

EVA 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.

EVA 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.

EVA 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.

EVA 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.

EVA 5595 CAH-HIST 3(3,0) Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EVA 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.

EV 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) Evaluation of Vocational Instruction: PR: EVT 3371 or C.I. Study, practice, and achievement of competence in assessing student cognitive, affective, and psychomotor performance in vocational education. Spring.

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 labora-
tory, 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) Principles and Practices of Technical Education: PR: EVT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

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) Safety in the Technical Education Classroom and Laboratory: PR: EVT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

EVT 5260 ED-TLP 2-4(2-4) 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 5266 ED-TLP 2-4(2-4) 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) 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 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00.

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. 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 environ-
mental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0) Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0) Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0) Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee: $5.00.
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<td>CAH-FILM</td>
<td>Cinematic Expression for Majors</td>
<td>3(3,0)</td>
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<td>FIL 1100</td>
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<td>FIL 2481</td>
<td>CAH-FILM</td>
<td>Directing the Actor for Film I</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 2552</td>
<td>CAH-FILM</td>
<td>Editing I</td>
<td>3(3,2)</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>CAH-FILM</td>
<td>Art of the Cinema</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3035</td>
<td>CAH-FILM</td>
<td>Film History II</td>
<td>3(3,1)</td>
</tr>
<tr>
<td>FIL 3036</td>
<td>CAH-FILM</td>
<td>Film History</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3037</td>
<td>CAH-FILM</td>
<td>Film History II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3041</td>
<td>CAH-FILM</td>
<td>History of Animated Films I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3051</td>
<td>CAH-FILM</td>
<td>Avant-Garde Cinema</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3070C</td>
<td>CAH-FILM</td>
<td>Cinema in the 1920s</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3071C</td>
<td>CAH-FILM</td>
<td>Cinema in the 1930s</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3072C</td>
<td>CAH-FILM</td>
<td>Cinema in the 1940s and 1950s</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3073C</td>
<td>CAH-FILM</td>
<td>Cinema in the 1960s and 1970s</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3074C</td>
<td>CAH-FILM</td>
<td>Cinema 1880s to the Present</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3075C</td>
<td>CAH-FILM</td>
<td>Film and Modernism I</td>
<td>3(3,1)</td>
</tr>
<tr>
<td>FIL 3076C</td>
<td>CAH-FILM</td>
<td>Film and Modernism II</td>
<td>3(3,1)</td>
</tr>
<tr>
<td>FIL 3102</td>
<td>CAH-FILM</td>
<td>Writing for Film and TV</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 3106C</td>
<td>CAH-FILM</td>
<td>Introduction to Scriptwriting</td>
<td>3(2,3)</td>
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<tr>
<td>FIL 3115</td>
<td>CAH-FILM</td>
<td>Short Script I</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 3132</td>
<td>CAH-FILM</td>
<td>Short Script II</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 3304C</td>
<td>CAH-FILM</td>
<td>Documentary Vision</td>
<td>3(1,3)</td>
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<tr>
<td>FIL 3307</td>
<td>CAH-FILM</td>
<td>Docudrama</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 3363C</td>
<td>CAH-FILM</td>
<td>Film Documentary</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3379C</td>
<td>CAH-FILM</td>
<td>Advanced Documentary Production</td>
<td>3(3,6)</td>
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<tr>
<td>FIL 3427C</td>
<td>CAH-FILM</td>
<td>Introduction to Film Production</td>
<td>3(2,4)</td>
</tr>
<tr>
<td>FIL 3455C</td>
<td>CAH-FILM</td>
<td>Film Landscapes: Story, Image and Production Design</td>
<td>6(2,4)</td>
</tr>
<tr>
<td>FIL 3462C</td>
<td>CAH-FILM</td>
<td>Cinematic Expression</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3483</td>
<td>CAH-FILM</td>
<td>Directing the Actor for Film II</td>
<td>3(3,0)</td>
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<tr>
<td>FIL 3492C</td>
<td>CAH-FILM</td>
<td>Performance in Film</td>
<td>3(3,1)</td>
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<tr>
<td>FIL 3534</td>
<td>CAH-FILM</td>
<td>Sound Design for Film</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3581</td>
<td>CAH-FILM</td>
<td>Film Production Technology Workshop</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>CAH-ART</td>
<td>Introduction to Animation</td>
<td>3(2,4)</td>
</tr>
<tr>
<td>FIL 3734C</td>
<td>CAH-ART</td>
<td>Intermediate Animation</td>
<td>3(2,4)</td>
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</table>
FIL 3803C CAH-FILM 3(3,1)
Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories from the Second World War Period. Fall. M&S fee: $10.00

FIL 3804C CAH-FILM 3(3,1)
Film Theory and Criticism II: PR: FIL 3803C. Major film theories from Second World War period to present. Spring. M&S fee: $10.00

FIL 3811 CAH-FILM 3(3,0)

FIL 3812C CAH-FILM 3(3,1)
Film Theories and Practices: PR: PHIL 2010 (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)
French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0)
German Film: PR: C.I. Exploration of the form and content of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3824 CAH-FILM 3(3,0)
Italian Neo-Realist Cinema: PR: FIL 3038 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM 3(3,0)
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3831 CAH-FILM 3(4,0)

FIL 3841 CAH-FILM 3(3,0)
French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Dreyssen, 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 Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM 3(3,0)
World Cinema Traditions: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-FILM 3(3,0)
Latin American Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM 3(3,0)
Cinema Directors: PR: FIL 3830 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected filmmakers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM 3(3,0)
Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3830C. 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)

FIL 3862C CAH-FILM 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.

FIL 3865C CAH-FILM 3(3,1)

FIL 3870C CAH-FILM 3(3,1)

FIL 3871 CAH-FILM 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker’s style, vision and works, how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee: $5.00

FIL 3876C CAH-FILM 3(3,1)
Experimental Cinema I: PR: FIL 3075C. A con of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-FILM 3(3,1)
Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theater. Occasional.

FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1)
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-DIG 3(3,0)

FIL 4042 CAH-FILM 3(3,0)

FIL 4057C CAH-FILM 3(3,1)
Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-FILM 3(3,0)
Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4113C CAH-FILM 3(2,3)
Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced screenwriters; cold readings; preparing calling card script, marketing scripts and funding sources. Occasional.

FIL 4114C CAH-FILM 3(3,2)
Interactive Writing II: PR: Film major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.

FIL 4126C CAH-FILM 3(2,2)
Genre Writing: PR: Film major. Film 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-FILM 3(2,3)
Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or FIL 3115, or C.I. Writing workshop, examination of myths, storytelling, and ethics of scriptwriting. Fall.

FIL 4163C CAH-FILM 3(2,3)
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4301C CAH-FILM 3(1,3)
Documentary Workshop I: PR: FIL 3044C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM 3(1,3)
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-FILM 3(3,1)
Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.

FIL 4428 CAH-FILM 3(3,0)
Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

FIL 4433C CAH-FILM 3(2,4)
Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee: $45.00
FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3430C; open to majors or minors which require this course. A survey of investments, including security markets, investment environment, risk and return, portfolio construction, and techniques of analysis of corporate and governmental securities and commercial paper. 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, 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 3430C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3430C, 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 3430C; 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 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, minor, or major 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(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and CI. 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(2,0) Technology in the Foreign Language classroom: PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TLP 3(3,0) Foreign Language Teaching in Elementary Schools: PR: FIN 3403C; open to majors or minors which require this course. Methods of teaching foreign languages at the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TLP 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4323, 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 4331 ED-TLP 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, 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 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5331 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 3423 or FLE 3870, EDG 4323 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.

FLE 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4323 or FLE 3870, EDG 4323 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.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875 CAH-LANG 3(3,0) Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.

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 Civilization I: PR: FRE 1121C or equivalent. Introduction to French culture through the major language skills: speaking, listening, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 2200 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 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.
Diversity within the Creole cultures. May be repeated for equivalent. Travel through Caribbean islands, studying the emphasis on phonic groupings.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third-year level while studying French culture abroad. May be repeated for credit. Occasional.


FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 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 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sartre. Occasional.

FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Moliere. A study of the lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WW2 such as the works of Beckett, Camus, Claudel, Ceuraudoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.


FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement, Montesquieu, Voltaire, and Diderot. Spring.


FRW 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature: explications and linguistic analysis of literary texts. Occasional.

FSS 221C RCWM-HOS 3(3,1) Quantity Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee: $45.00.

FSS 3008 RCWM-HOS 3(3,0) Cuisine and Business: PR: FSS 221C and HFT 3263. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.

FSS 3124 RCWM-HOS 3(3,0) Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&S fee: $45.00.

FSS 3232C RCWM-HOS 3(1,3) Intermediate Techniques of Food Production: PR: HFT 4250C. An advanced food production course which provides the student the opportunity to develop skills in pastry, gardeManger, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00.

FSS 4135 RCWM-HOS 3(3,0) Corporate Contract and Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4290C RCWM-HOS 3(3,1) Catering and Banquet Operation: PR: FSS 221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee: $45.00.

GEA 4405 CAH-CAH 3(3,0) Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3,0) Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 4(4,0) The Cornerstone Course: PR: Junior standing and business major or minor. ACG 2071, ECO 2013, ECO 2023, and CJS 2103. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3113 BA-MAN 3(3,0) How to Start a Business: PR: Sophomore Standing, ECO 2013. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375 BA-FIN 4(4,0) Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.


GEB 4110 BA-MAN 3(3,0) Business Plan Preparation: PR: MAN 4802. GEB 4111. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0) New Venture Finance: PR: MAN 4802 or GEB 3113. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.

GEB 4152 BA-MAN 3(3,0) Technological Entrepreneurship: PR: MAN 4802 or GEB 3113. Creating business ventures based on novel intellectual property and technological innovation. It addresses licensing, venture formation, and strategic alliances as potential strategies. Occasional.
UCF Courses and Descriptions

GIS 4035C ECS-CHEM 3(2,2)
Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GIS 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 2043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-Asp optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

Gly 1030 COS-CHEM 3(3,0)
Geology and Its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

Gra 2101C CAH-ART 3(2,4)
Introduction to Computer Art: PR: ART 2200 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 2200 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)

Gra 2190C CAH-ART 3(2,4)

Gra 3100C CAH-ART 3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 3010C, 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 2203C, ART 2300C, ART 3010C, 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: $43.50

Gra 3113C CAH-ART 3(2,4)
Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 3010C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Spring. M&S: fee: $15.00

Gra 3151C CAH-ART 3(2,4)

Gra 3801C CAH-ART 3(2,4)

Gra 4119C CAH-ART 3(2,4)

Gra 4154C CAH-ART 3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2910C, 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 2203C, ART 2300C, ART 2910C, 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 2203C, ART 2300C, ART 2910C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 416C, GRA 3151C or ART 3332C, GRA 4154C or ART 4300C, 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)

Gre 1120H 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 1121H CAH-LANG 4(4,1)
Elementary Greek Language and Civilization II: PR: ENL 112H and permission of Honors. Continuation of Elementary Greek I. 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.

Hai 1121 CAH-LANG 4(4,0)

Hbr 1120 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

Hbr 2200 CAH-JUD 3(3,0)
Intermediate Modern Hebrew II: 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)

Hbr 3250 CAH-JUD 3(3,0)

Hbr 3410 CAH-JUD 3(3,0)

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 3307. The developmental sequence of golfing programs for juniors, women, and seniors; in the golf industry. Occasional.

Hft 1356 RCHM-TEA 3(3,0)
Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the role of golf as related to rules decisions. Fall.

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 2359 RCHM-TEA 3(3,0)

Hft 2401 RCHM-HSP SERV 3(3,0)

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3263</td>
<td>RCHM-HOS</td>
<td>Restaurant Management</td>
<td>3(3,0)</td>
<td>Offered in Fall and Spring. Credit is not given for both HFT 1000 and HFT 2500. Focus is on management of restaurant facilities, including menu and product development, current issues in the foodservice industry, and human relations. Occasional.</td>
</tr>
<tr>
<td>HFT 3273</td>
<td>RCHM-HOS</td>
<td>Principles of Resort Timesharing</td>
<td>3(3,0)</td>
<td>Offered in Fall and Junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3285</td>
<td>RCHM-HOS</td>
<td>International Restaurant Corporation Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. The specific principles of managing a restaurant corporation in the international foodservice marketplace. Occasional.</td>
</tr>
<tr>
<td>HFT 3323</td>
<td>RCHM-HSP SERV</td>
<td>Hospitality Physical Plant Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>RCHM-TEA</td>
<td>Golf Planning &amp; Operations I</td>
<td>3(3,0)</td>
<td>Offered in Fall. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising &amp; inventory procedures. Occasional.</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>RCHM-TEA</td>
<td>Agronomy for Golf Course Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. A study of the primary roles and responsibilities of the golf course superintendent. Occasional.</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>RCHM-TEA</td>
<td>Golf Planning &amp; Operations II</td>
<td>3(3,0)</td>
<td>Offered in Fall. Merchandising and inventory control, golf swing philosophy and leadership models. Occasional.</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>RCHM-TEA</td>
<td>Golf Event Operations</td>
<td>3(3,0)</td>
<td>Offered in Fall. Develop, plan, and organize golf tournaments of all types. Occasional.</td>
</tr>
<tr>
<td>HFT 3374</td>
<td>RCHM-TEA</td>
<td>Multi Media Applications in Exhibitions</td>
<td>3(3,0)</td>
<td>Offered in Fall. The process of a large exhibition. Occasional.</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>RCHM-TEA</td>
<td>Golf and Club Enterprises Management</td>
<td>3(3,0)</td>
<td>Offered in Fall and Junior standing or C.I. Comprehensive examination of the golf and club enterprise, its related national and international associations, and career path opportunities. Occasional.</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>RCHM-HSP SERV</td>
<td>Hospitality Industry Managerial Accounting</td>
<td>3(3,0)</td>
<td>Offered in Fall. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>RCHM-TEA</td>
<td>Event Technology</td>
<td>3(3,0)</td>
<td>Offered in Fall. Use of technology in the event to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>RCHM-HSP SERV</td>
<td>Hospitality Information Systems</td>
<td>3(3,0)</td>
<td>Offered in Fall. 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.</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>RCHM-TEA</td>
<td>Event Promotion</td>
<td>3(3,0)</td>
<td>Offered in Fall. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>RCHM-HOS</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and HFT 2500. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.</td>
</tr>
<tr>
<td>HFT 3517</td>
<td>RCHM-TEA</td>
<td>Convention and Conference Sales</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>RCHM-HSP SERV</td>
<td>Guest Services Management I</td>
<td>3(3,0)</td>
<td>Offered in Fall. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>RCHM-HOS</td>
<td>Food Service Marketing Advertising and Promotion Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and HFT 2500. Covers pricing, promotion, menu and product development. Occasional.</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>RCHM-HOS</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
<td>3(3,0)</td>
<td>Offered in Fall. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3610</td>
<td>RCHM-HOS</td>
<td>Law and Restaurant Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Emphasis on regulatory, case and administrative law. Compliance, correction, and remedial actions are stressed. Occasional.</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>RCHM-HOS</td>
<td>Franchising in the Restaurant Industry</td>
<td>3(3,0)</td>
<td>Offered in Fall. Application of case study methodology to advanced topics in restaurant and food service management. Occasional.</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>RCHM-TEA</td>
<td>Tourism Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. Understanding of cruise companies and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.</td>
</tr>
<tr>
<td>HFT 3784</td>
<td>RCHM-TEA</td>
<td>Amusement Technology</td>
<td>3(3,0)</td>
<td>Offered in Fall. Exploration of various technology utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. Spring.</td>
</tr>
<tr>
<td>HFT 3785</td>
<td>RCHM-HOS</td>
<td>Management of Gaming Enterprises</td>
<td>3(3,0)</td>
<td>Offered in Fall. Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and other. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and management challenges and opportunities in the industry. Occasional.</td>
</tr>
<tr>
<td>HFT 3792</td>
<td>RCHM-TEA</td>
<td>Event Design and Production</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and HFT 2500. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>RCHM-TEA</td>
<td>Fairs and Festivals</td>
<td>3(3,0)</td>
<td>Offered in Fall. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.</td>
</tr>
<tr>
<td>HFT 3807</td>
<td>RCHM-HOS</td>
<td>Multi-Unit Food Service Operations</td>
<td>3(3,0)</td>
<td>Offered in Fall and Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3834</td>
<td>RCHM-HSP SERV</td>
<td>Topics in Restaurant and Foodservice Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and HFT 2500. Covers pricing, promotion, menu and product development. Occasional.</td>
</tr>
<tr>
<td>HFT 3949</td>
<td>RCHM-RCHM</td>
<td>Cooperative Education</td>
<td>0.5(0,1-5)</td>
<td>Offered in Fall, Spring. Credit is not given for both HFT 1000 and Junior standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related service operations. Occasional.</td>
</tr>
<tr>
<td>HFT 4250C</td>
<td>RCHM-HOS</td>
<td>Hospitality Operations</td>
<td>3(3,1)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related service operations. Occasional.</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>RCHM-HOS</td>
<td>Hotel Operations</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related service operations. Occasional.</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>RCHM-HOS</td>
<td>Restaurant Brand Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related service operations. Occasional.</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>RCHM-HOS</td>
<td>Case Studies in Restaurant Management</td>
<td>3(3,0)</td>
<td>Offered in Fall. Credit is not given for both HFT 1000 and Junior standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related service operations. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

HFT 4274 RCHM-HOS 3(3,0)
Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4522 or C.I. Comprehensive analysis of applied theories, 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 City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS 3(3,0)
Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0)
Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4269; HFT 4268; HFT 4304. Teaching and training methodologies relative to the service positions in a restauran. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HSP SERV 3(3,0)
Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presenta- tions, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening, Fall, Spring.

HFT 4295 RCHM-HSP SERV 3(3,0)
Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discus- sions, 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- ting/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 in strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV 3(3,0)

HFT 4432 RCHM-HSP SERV 3(3,0)

HFT 4442 RCHM-HOS 3(3,0)
Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522; C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-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. The management of employee relations and labor issues related to the nature and mitigation of risks at theme parks and attractions. 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. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0)

HFT 4735 RCHM-TEA 3(3,0)
Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0)
Destination Management: PR: HFT 3700. Principles and issues related to destination management; strate- gies and processes involving design, operations, distribu- tion, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0)
Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understand- ing of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effect- ive convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0)
Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0)
Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0)
Event Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, HFT 4802 and junior standing or C.I. Reviews the role and scope of events in the hospitality industry, as well as the process of planning, organizing, and managing events. Fall, Spring. M&S fee: $37.00.

HFT 4758 RCHM-TEA 3(3,0)
Contemporary Issues in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Examination of current issues in the theme park and attraction industry, including hands-on situation analysis. Fall.

HFT 4759 RCHM-TEA 3(3,0)
Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

HFT 4762 RCHM-TEA 3(3,0)

HFT 4786 RCHM-TEA 3(3,0)
Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attrac- tions. Spring.

HFT 4787 RCHM-TEA 3(3,0)
Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4764. Organizational structure and operational culture of theme parks and attractions. Fall.

HFT 4791 RCHM-TEA 3(3,0)
Event Management I: PR: HFT 3750, HFT 3812, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. Occasional. M&S fee: $45.00.
UCF Courses and Descriptions


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 4502 HPA-HP 3(3.0) Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SC&DIS 6(6.0) Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. Occasional.

HSA 4702 HPA-HP 3(3.0) Health Research Methods: PR: HSA 3111; STA 2043 or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 5177 HPA-HP 3(3.0) Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(3.0) Health Care Decision Sciences and Knowledge Management: PR: 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 will be presented. Occasional.

HSA 5257 HPA-HP 3(3.0) ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258 HPA-HP 3(3.0) CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C HPA-HPA 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000 HPA-HP 3(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 health professionals. Graded S/U. Fall.

HSC 2100 HPA-HP 3(3.0) US Healthcare: Introduction and Challenges: Healthcare in the US as a dynamic enterprise; the professionals, array of services and the social and economic forces affecting their performance. Occasional.

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 3(3.0) Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3.0) HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(3.0) Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(3.0) Professional Development in Health Professions: PR: 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 cardiovascular disorders: Includes miotopic, 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 government, voluntary and private agencies. Fall, Spring.


HSC 4500 HPA-HP 3(3.0) Epidemiology: PR: HSA 3111 or C.I., STA 2014C or STA 2023. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4555 HPA-HP 3(3.0) Pathophysiologic Mechanisms: PR: ZOO 3733C and ZOO 3709C or C.I. A study of pathologic lesions and pathophysiologic mechanisms in causation and evolution of the various disease state. Fall, Spring.

HSC 4564 HPA-HP 3(3.0) Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 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, Spring.

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

IDH 4030H BHC-HON 1(3.0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C COS-COMM 2(1.1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Humanities 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, GEB 1091C, HSC 1931C, EGN 1058C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(3.0) Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDIS 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 4322, GIS 3042C, GIS 4011C and PUB 3033, 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 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 5171C 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-PSYCH 3(3.0) Quantitative Aspects of Modeling and Simulation: PR: MAC 2242 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.


IDS 5936 CAH-PHIIL Topics in Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.

INP 3004 COS-PSYCH Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.


INP 3141C COS-PSYCH 1-3(3,3-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951 COS-PSYCH 3(10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of industrial psychology to local organizations. Occasional.

INP 4252 COS-PSYCH 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, intergroup behavior, and organization development. Occasional.

INP 4380 COS-PSYCH Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and team from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH Human-Computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3.0) International Relations-Theory and Practice: PR: Permission of the instructor and the student must be majoring in International Relations or in a related discipline. Occasional.

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 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) Diplomacy: PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.


INR 4035 COS-POLS 3(3.0) International Political Economy: The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054 COS-POLS 3(3.0) Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International/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 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4074</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political security impact. Occasional.</td>
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<tr>
<td>INR 4076</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control measures, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.</td>
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<tr>
<td>INR 4084</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Politics of International Terrorism: PR: POS 2041 or C.I. Nature and policies of terrorism with primary focus on its implications for international relations. Occasional.</td>
</tr>
<tr>
<td>INR 4102</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.</td>
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<tr>
<td>INR 4104</td>
<td>COS-POLS 3(3,0)</td>
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<td>Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.</td>
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<tr>
<td>INR 4114</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.</td>
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<tr>
<td>INR 4115</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.</td>
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<tr>
<td>INR 4224</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.</td>
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<tr>
<td>INR 4225</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.</td>
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<tr>
<td>INR 4243</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Politics of Latin America: Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.</td>
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<tr>
<td>INR 4304</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.</td>
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<tr>
<td>INR 4335</td>
<td>COS-POLS 3(3,0)</td>
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<td>Coercion in International Politics: Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.</td>
</tr>
<tr>
<td>INR 4350</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.</td>
</tr>
<tr>
<td>INR 4351</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.</td>
</tr>
<tr>
<td>INR 4364</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>The Intelligence Community: PR: POS 2041 or INR 2002 or COP 3103 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.</td>
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<tr>
<td>INR 4401</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. Occasional.</td>
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<tr>
<td>INR 4402</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.</td>
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<tr>
<td>INR 4404</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.</td>
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<tr>
<td>INR 4502</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.</td>
</tr>
<tr>
<td>INR 4603</td>
<td>COS-POLS 3(3,0)</td>
<td></td>
<td>International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.</td>
</tr>
<tr>
<td>INT 4134</td>
<td>HPA-COM SC&amp;DIS 3(3,0)</td>
<td></td>
<td>Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.</td>
</tr>
<tr>
<td>INT 4205C</td>
<td>HPA-COM SC&amp;DIS 4(3,1)</td>
<td></td>
<td>Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

ISM 3521  BA-MIS  3(3,0)  Business Applications: PR: CGS 2100C or CGS 1000C, and MAC 1105 or MIS 106, and ISM 3011C. Not open to MIS majors. This course focuses on 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)  Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. Occasional.

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. Principles and theories of system design. Emphasis on application development. Occasional.

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 multilayer application design and implementation. Occasional.

ISM 4130  BA-MIS  3(3,0)  Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. Fall, Spring.

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 communication management. Managerial 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)  Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain Management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


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: ISM 4113. Introduces the student to the process of analyzing information systems in an organization. Fall.

ISM 5127  BA-MIS  3(3,0)  Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methods related to the effective utilization of data by organizations. Occasional.

ISM 5219  BA-MIS  3(3,0)  Business Intelligence Systems: PR: Graduate standing. Using a top-down approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

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 constructs, and database access. Occasional.

ISM 5315  BA-MIS  3(3,0)  Information Systems Project Management: PR: Graduate 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)  Electronic Agora: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155  COS-COMM  3(3,0)  Science Fiction and the Social Sciences: A multimedia examination of note-worthy science fiction from the Social Science perspective. Occasional.

ITA 1120C  CAH-LANG  4(3,1)  Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C  CAH-LANG  4(3,1)  Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200  CAH-LANG  3(3,0)  Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201  CAH-LANG  3(3,0)  Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 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 2201, 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 2201 or ITA 1121C, or equivalent. Development of skills in composition, with an introduction to Italian civilization. Fall.

ITA 3440  CAH-LANG  3(3,0)  Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472  CAH-LANG  3(3,0)  Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3760  CAH-LANG  3(3,0)  Advanced Italian Oral Communication: PR: ITA 2201 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)  Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.

UCF Courses and Descriptions

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 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

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. Reporting on city, county and state government. Fall. Spring. M&S fee: $15.00

JOU 2100C COS-COMM 3(3,1)
Writing Feature Articles for Newspapers and Magazines: PR: Journalism major or Magazine Writing minor, and a minimum grade of "C" (2.0) in JOU 2100C. Reporting on city, county and state government. Fall. Spring. M&S fee: $15.00

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: JOU 3200, MMC 3200, and a minimum grade of "C" (2.0) in JOU 2100C. Reporting on city, county and state government. Fall. Spring. M&S fee: $15.00

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 2101C. 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 4303C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Writing minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Writing minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4300 C(3,0)
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 4310C 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 4321 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 conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3100 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)
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.J. 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.J. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3312H</td>
<td>CAH-JUD 3(3,0) Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 19th and 20th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.</td>
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<tr>
<td>JST 3401</td>
<td>CAH-JUD 3(3,0) The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.</td>
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<tr>
<td>JST 3402</td>
<td>CAH-JUD 3(3,0) The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.</td>
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<tr>
<td>JST 3415</td>
<td>CAH-JUD 3(3,0) American Jewish History: PR: ENC 1102. Jewish presence in America and its influence on and contribution to American life and culture. Occasional.</td>
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<tr>
<td>JST 3450</td>
<td>CAH-JUD 3(3,0) Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modem Jewish experience in the past 250 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America, and pre-state Israel. Occasional.</td>
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<tr>
<td>JST 3481</td>
<td>CAH-JUD 3(3,0) 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.</td>
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<tr>
<td>JST 3550</td>
<td>CAH-JUD 3(3,0) Introduction to Modernism in Judaism: The transition from traditional Judaism to modern Judaism in the 19th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (In translation). Occasional.</td>
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<tr>
<td>JST 3620</td>
<td>CAH-JUD 3(3,0) Contemporary Jewish Ethics and Morality: PR: ENC 1102. Moral concerns using the resources of the classical Judaic tradition. Occasional.</td>
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<tr>
<td>JST 3701</td>
<td>CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.</td>
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<tr>
<td>JST 3751</td>
<td>CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. Occasional.</td>
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<tr>
<td>JST 3810</td>
<td>CAH-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-semitism, through analysis of European Jewish history and society. Occasional.</td>
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<tr>
<td>JST 3820</td>
<td>CAH-JUD 3(3,0) Modern Hebrew Culture: The Development of the State of Israel. Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.</td>
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<tr>
<td>LAE 3414</td>
<td>ED-TLP 3(3,0) Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.</td>
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<tr>
<td>LAE 3434</td>
<td>ED-TLP 3(3,0) Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.</td>
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<tr>
<td>LAE 3442</td>
<td>ED-TLP 3(3,0) Programs in Teaching Language and Composition: PR: EDG 4410; CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.</td>
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<tr>
<td>LAE 3460</td>
<td>ED-TLP 3(3,0) English Instructional Analysis: PR: EDG 4410, EDG 4467, TSL 4080, and LAE 4464. CR: LAE 3442 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.</td>
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<tr>
<td>LAE 3461</td>
<td>ED-TLP 3(3,0) Literacy Strategies for Middle and High School: PR: EDG 4423 or EVT 3385 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.</td>
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<tr>
<td>LAE 4464</td>
<td>ED-TLP 3(3,0) Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescents' young adult literature from an educational and historical perspective. Spring.</td>
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<tr>
<td>LAE 5195</td>
<td>ED-TLP 3(3,0) CPW Teacher Consultant: PR: C.I. This course is designed for Fellows of the CPW Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.</td>
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<tr>
<td>LAE 5295</td>
<td>ED-TLP 1-3(1-3.0) Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.</td>
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<tr>
<td>LAE 5319</td>
<td>ED-TLP 3(3,0) Methods of Elementary School Language Arts: PR: EDG 4325, Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.</td>
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<tr>
<td>LAE 5337</td>
<td>ED-TLP 3(3,0) Literacy Strategies for Middle and Secondary Teaching: PR: EDG 4259 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.</td>
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<tr>
<td>LAE 5338</td>
<td>ED-TLP 3(3,0) Teaching Writing in Middle and High School: PR: EDG 6236 or C.I. Techniques and methods in teaching dialectics, semantics, and the various grammars within the context of writing. Fall, Spring.</td>
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<td>LAE 5346</td>
<td>ED-TLP 3(3,0) Methods of Teaching English Language Arts: PR: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.</td>
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<td>LAE 5367</td>
<td>CAH-ENG 3(3,0) English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
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<tr>
<td>LAE 5415</td>
<td>ED-TLP 3(3,0) Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.</td>
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<tr>
<td>LAE 5465</td>
<td>ED-TLP 3(3,0) Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.</td>
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<tr>
<td>LAE 5495</td>
<td>ED-TLP 3(3,0) Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.</td>
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<tr>
<td>LAH 3130</td>
<td>CAH-HIST 3(3,0) Latin American History I: PR: EUH 2000 and 2001 or C.I. The Colonial period. Occasional.</td>
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<td>LAH 3200</td>
<td>CAH-HIST 3(3,0) Latin American History II: PR: EUH 2000 and 2001 or C.I. The National period. Occasional.</td>
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<tr>
<td>LAH 3400</td>
<td>CAH-HIST 3(3,0) History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.</td>
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<td>LAH 3470</td>
<td>CAH-HIST 3(3,0) History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. Occasional.</td>
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<tr>
<td>LAH 4136</td>
<td>CAH-HIST 3(3,0) Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.</td>
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<td>LAH 4461</td>
<td>CAH-HIST 3(3,0) History of Puerto Rico: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Puerto Rico from pre-Columbian era to present. Occasional.</td>
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<tr>
<td>LAH 4480</td>
<td>CAH-HIST 3(3,0) History of Cuba: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Cuba from pre-Columbian era to present. Occasional.</td>
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<tr>
<td>LAH 4742</td>
<td>CAH-HIST 3(3,0) The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.</td>
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<tr>
<td>LAH 5713</td>
<td>CAH-HIST 3(3,0) Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.</td>
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<tr>
<td>LAS 3101</td>
<td>CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1120C and CR: SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.</td>
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<tr>
<td>LAS 4023</td>
<td>CAH-AAS 3(3,0) African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.</td>
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</tbody>
</table>
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 modern 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: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 2015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

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 19th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0) Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories." Occasional.

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 2233 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 1141 (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.
<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 3103H</td>
<td>COS-MATH Systems Modeling and Simulation: PR: Permission of Honors and MAC 2512. Population growth dynamics; spread of epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>MAD 2104</td>
<td>COS-MATH 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAD 4203</td>
<td>COS-MATH Applied Combinatorics: PR: MAC 2121, 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, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>MAD 4301</td>
<td>COS-MATH Graph Theory: PR: MAC 2123 and MHF 3302, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>MAD 5205</td>
<td>COS-MATH Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting: Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 2801</td>
<td>ED-TLP Elementary School Mathematics: PR: MAC 1106 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.</td>
<td>4(3,1)</td>
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<tr>
<td>MAE 4300</td>
<td>ED-CFCS 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 4326</td>
<td>ED-TLP 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 4360</td>
<td>ED-TLP 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.</td>
<td>4(3,2)</td>
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<tr>
<td>MAE 4634</td>
<td>ED-TLP Programs in Teaching of Mathematics: PR: C.I. A consideration of special programs, strategies, and materials. Emphasis on individual needs of students. Spring.</td>
<td>3(2,1)</td>
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<tr>
<td>MAE 5318</td>
<td>ED-TLP 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 5327</td>
<td>ED-TLP 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, ESOL, and manipulatives is considered. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 5336</td>
<td>ED-TLP Current Methods in Secondary School Mathematics: PR: EDG 4233 or EDG 6236 or C.I. Required special methods course for mathematics 8-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>MAE 5935</td>
<td>COS-MATH 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 2021</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 3025</td>
<td>BA-MAN 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.</td>
<td>4(4,0)</td>
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<tr>
<td>MAN 3025H</td>
<td>BA-MAN Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors. ECO 2013, ECO 2023 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.</td>
<td>4(4,0)</td>
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<tr>
<td>MAN 3301</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 3302</td>
<td>BA-MAN Essentials of Human Resource Management for Non-Business Majors: PR: MAN 3025. Provides non-business majors with a review of basic human resource management practices and policies and the organizational role of the HRM function. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 3354</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4029</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4101</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4240</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4310</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4320</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4330</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4350</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4401</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4441</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4521</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4600</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4701</td>
<td>BA-MAN 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.</td>
<td>3(3,0)</td>
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<td>MAN 4720</td>
<td>BA-MAN Strategic Management: PR: MAN 3025, MAR 3023, FIN 3963 or GEB 3021. 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.</td>
<td>3(3,0)</td>
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<tr>
<td>MAN 4720H</td>
<td>BA-MAN Honors Strategic Management: PR: Permission of Honors and Graduating semester. Capstone course integrates and applies management theories, and frameworks to tackle modern organizational planning problems, and opportunities. Honors content. Occasional.</td>
<td>4(4,0)</td>
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<tr>
<td>MAN 4802</td>
<td>BA-MAN Entrepreneurship: PR: GEB 3021 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.</td>
<td>3(3,0)</td>
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<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<td>MAN 4804</td>
<td>BA-MAN 3(3) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.</td>
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<td>MAN 4941</td>
<td>BA-MAN 3(0,3) Management Internship: PR: Management major, application approval, consent of department chair. Participates in supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.</td>
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<td>MAN 5021</td>
<td>BA-MAN 1.5(1,5) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.</td>
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<td>MAP 5867</td>
<td>BA-MAN 3(3) Small Business Institute: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Even Fall, Even Spring.</td>
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<td>MAP 3401</td>
<td>ECS-ENT 3(3) Problem Analysis: PR: MAC 2311 or MAC 2253 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.</td>
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<td>MAP 3923</td>
<td>COS-MATH 1(1.0) Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
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<td>MAP 3937</td>
<td>COS-MATH 1(1.0) Techniques of Problem Solving: PR: MAC 2311 and CR:MAC 2212; or C.I. Methods for solving problems in a wide variety of mathematical fields, with emphasis on proper mathematical technique and writing of solutions. May be repeated for credit. Fall.</td>
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<td>MAP 4153</td>
<td>COS-MATH 3(3) Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.</td>
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<td>MAP 4171</td>
<td>COS-MATH 3(3) Optimization for Actuarial Science: PR: MAC 2302 and STA 2023. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.</td>
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<td>MAP 4364</td>
<td>COS-MATH 3(3) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville; solution of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.</td>
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<td>MAP 5016</td>
<td>COS-MATH 3(3) Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2353, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.</td>
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<td>MAP 5117</td>
<td>COS-MATH 3(3) Mathematical Modeling: PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.</td>
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<td>MAP 5336</td>
<td>COS-MATH 3(3) Ordinary Differential Equations and Applications: PR: MAC 2312, and graduate status or senior standing or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. Spring.</td>
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<td>MAP 5396</td>
<td>COS-MATH 3(3) Splines and Data Fitting: PR: MAS 3106, MAS 3105, MAP 2302, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. Occasional.</td>
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<td>MAP 5404</td>
<td>COS-MATH 3(3) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.</td>
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<td>MAP 5426</td>
<td>COS-MATH 3(3) Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.</td>
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<td>MAP 5435</td>
<td>COS-MATH 3(3) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations; Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.</td>
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<td>MAP 5514</td>
<td>COS-MATH 3(3) Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory and gravity-capillary waves, variational principles for water waves. Occasional.</td>
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<td>MAR 3023</td>
<td>BA-MAR 4(4.0) Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.</td>
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<td>MAR 3023H</td>
<td>BA-MAR 4(4.0) Marketing - Honors: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.</td>
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<td>MAR 3323</td>
<td>BA-MAR 3(3) Integrated Marketing Communication: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.</td>
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<td>MAR 3391</td>
<td>BA-MAR 3(3) Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.</td>
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<td>MAR 3403</td>
<td>BA-MAR 3(3) Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.</td>
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<td>MAR 3503</td>
<td>BA-MAR 3(3) Customer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. End user and business customer buying behavior, influence of customer relationships, segmentation of markets and positioning strategies. Fall, Spring.</td>
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</tbody>
</table>
MAR 3613 BA-MAR 3(3,0)  Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3032 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)  Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0)  E-Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4156 BA-MAR 3(3,0)  International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0)  Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(2,3)  Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415C, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(2,3)  Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiation, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3,0)  Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0)  Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0)  Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4724 BA-MAR 3(3,0)  Strategic Foundations in Global E-Business: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course examines the forces shaping managerial decision-making in a rapidly changing electronic global marketplace. Emphasis on market-product entry strategies, standards of negotiation/adaptation, and organizing for efficient international marketing operations. Occasional.

MAR 4803 BA-MAR 3(3,0)  Marketing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3503 with a grade of C (2.0) or better and MAR 3613 with a grade of C (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0)  Marketing Strategy: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4893 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3,0)  Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in service industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0)  Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3,0)  Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0)  Matrix and Linear Algebra: PR: MAC 2313 or C.I. Matrices, determinants, vector spaces in Rn, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0)  Linear Algebra: PR: MHF 3302, MAR 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH 3(3,0)  Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)  Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0)  Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0)  Topics in Algebra and Discrete Mathematics: PR: MAS 3105, MAS 4301, and MAD 4203 or MAD 4501, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0)  Advanced Linear Algebra and Matrix Theory: PR: MAS 3105, and graduate status or senior standing or C.I. LU and LDL decompositions, linear spaces, inner product spaces, systems of linear equations, eigenvalues and canonical forms, variational principles and applications. Occasional.

MAS 5311 COS-MATH 3(3,0)  Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 5711 COS-MATH 3(3,0)  Scientific Computing: PR: MAC 2313, MAP 2302, graduate status or senior standing, or C.I. Basic programming skills using Mathematica, Maple, Matlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms. Fall.


MCB 3020C COM-M&M 5(3,4)  General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environmental control, ecology, pathogenicity, and laboratory techniques. Fall, Spring. M&S fee: $45.00

MCB 3020H COM-M&M 5(3,5)  General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3,0)  Principles and Infectious Disease: PR: MCB 2030C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines, and antimicrobials, and virulence mechanisms. Occasional.

MCB 3203 COM-M&M 3(3,0)  Pathogenic Microbiology: PR: MCB 3020C or C.I. Microbes producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L COM-M&M 1(0,3)  Pathogenic Microbiology: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee: $45.00.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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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 examina-
tion 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: MUE2D major, junior stand-
ing or C.I. Class instruction in string playing and pedagogical
techniques. Spring. M&S fee: $30.00.

MUE 2450 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUED major, Junior
standing or C.I. Class instruction in woodwind playing
and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2)
Brass Techniques: PR: MUED major, junior stand-
ing 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 stand-
ing or C.I. Class instruction in percussion playing and
pedagogical techniques. May be repeated for credit. Spring.

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

MUE 3210 ED-TLP 1(0,1)
Music in the Elementary School: PR: EDF 2005; CR:
ARE 4313, HLP 4722, RED 4519, MAE 4326, and EDE
3942. Fundamental procedures for teaching elementary
school music, stressing appropriate music materials and
activities for different age groups; selected experience
in music. Fall, Spring.

MUE 3333 CAH-MUSIC 3(3,0)
Music Learning Theory and Assessment: PR: MUE
2040. Learning theory and practical applications of assess-
ment techniques as applied in the music classroom. Odd
Spring.

MUE 3353 CAH-MUSIC 2(2,0)
General Music Literature and Techniques: PR: MUE
2040. Diverse literature and techniques for the general
music classroom. Odd Spring.

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUED
major, Junior standing or C.I. Continuation of Woodwind
Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study
of performance techniques, teaching skills, resources,
and materials required to teach brass instruments to begin-
nings, middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(0,1)
Aural Skills Techniques: PR: MUT 2117. Teaching tech-
niques for teaching audiation, sight singing, harmony, begin-
ning 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 2411, MUE 2431, EDC
4410, TSL 4080, EDF 4603 and RED 4045. 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, teaching and learning, and curricu-
lar design techniques for secondary school classroom
settings. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0)
Secondary Choral Methods I: PR: MUE 4340 or C.I.
Examination of vocal and choral literature, planning skills
and rehearsal techniques for choral groups. Odd Spring.

MUE 4338 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods I: PR: MUE 4340.
Wind, percussion, and string teaching methods for begin-
ning and middle level students in a large classroom setting.
Odd Spring.

MUE 4339 CAH-MUSIC 3(3,0)
Secondary Choral Methods II: PR: MUE 4341. Con-
tinued examination of vocal and choral literature, planning
skills, and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods II: PR: MUE 4332.
Wind and percussion teaching methods for high school
students in a large classroom setting. Odd Spring.

MUE 4350 ED-TLP 2-3(2-3,0)
General Music Pre-K through Grade 8: PR: Consent
of instructor. Designed for music educators. Exploration
of music materials and teaching strategies for enhancing
students' learning through music. Experience with recorder,
movement, choral conducting, and curriculum infusion
included. Implementation project available. Graded S/U.
May be repeated for credit. Odd Spring.

MUE 4354 ED-TLP 3(3,0)
General Music: ORFF Level I: PR: Junior Standing or
C.I. ORFF SCHULWERK methods of music education for
pre-K - grade 8. Development of personal and pedagogical
skills in singing, moving, playing Orff instruments, recorder
and compositions. Occasional.

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040
or C.I. Consideration of the general education music cur-
riculum in regards to students with disabilities and special
needs. Odd Fall.

MUE 4394 CAH-MUSIC 1(1,0)
Seminars 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 4480 CAH-MUSIC 1(1,1)
Marching Band Techniques: PR: MUE 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, MUE 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 I: PR: MUE 3942. Student Teaching in
an elementary or secondary school under supervision of a
certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348 C 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 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or
C.I. Variable topics in Music Education to offer hands-on
instruction in a workshop format. May be used in the degree
program a maximum of 4 times only when course content is
different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUE 1122 or C.I. Fundamental
techniques 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 4103 CAH-MUSIC 2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal
or instrumental conducting techniques. Rehearsal
procedures, selection of materials and program-building;
interpretation of scores, study and performance of selected
works. May be repeated for credit. Occasional.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and
cultural development of popular music in the United States
from the 1840s to the present. Fall, Spring.

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR:
MUT 1122 or C.I. An introduction to different musical cul-
tures including West African, Caribbean, South American,
and Asian. Occasional.

MUH 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. Fall, 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 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 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)  
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)  
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)  
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)  
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)  
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. Occasional.

MUH 5816 CAH-MUSIC 3(3,0)  
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)  
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0)  
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0)  
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)  

MUL 3381 CAH-MUSIC 3(3,0)  
Contemporary Popular Music: PR: MUL 3010 or MUL 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 18th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1)  

MUL 3434 CAH-MUSIC 2(2,0)  

MUL 3602 CAH-MUSIC 3(3,0)  
Song Literature: PR: MUL 2014 or C.I. Classical song repertory 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)  
String Literature and Pedagogy: PR: MUL 2014 and C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4438 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 (PNOs), 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)  
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee: $36.54

MUN 3123 CAH-MUSIC 1(0,3)  
Concert Band: PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3143 CAH-MUSIC 1(0,4)  
Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 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)  
University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3323 CAH-MUSIC 1(0,3)  
Women’s Chorus: PR: Audition and C.I. Study and performance of music for women’s voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3343 CAH-MUSIC 1(0,3)  
Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3423 CAH-MUSIC 1(0,2)  
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3426 CAH-MUSIC 1(1,0)  
Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUN 3443 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Percussion Ensemble: C.I. Open to all students. Study and performance of music for percussion ensembles. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3444 CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Mallet Ensemble: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3453 CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Piano Ensemble: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3483 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>String Ensemble: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3487 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Guitar Ensemble: Audition or C.I. Study and performance of music for multiple guitars. Odd Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3713 CAH-MUSIC</td>
<td>1(0,4)</td>
<td>Jazz Lab: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3714 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Jazz Combo: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 3723 CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Vocal-Jazz Ensemble: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.</td>
<td></td>
</tr>
<tr>
<td>MUN 3813 CAH-MUSIC</td>
<td>1(1,1)</td>
<td>Steel Drum Ensemble: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 4476 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Early Music Ensemble: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5125 CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Concert Band: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5145 CAH-MUSIC</td>
<td>1(0,4)</td>
<td>Wind Ensemble: 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5215 CAH-MUSIC</td>
<td>1(0,5)</td>
<td>Symphony Orchestra: 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5325 CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Women's Chorus: 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5368L CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate Madrigal Singers: Open to all graduate students by audition. Study and performance of madrigals for women's voices. May be used in the degree program a maximum of 4 times. Even Fall. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5385L CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate University Chorus: Open to all graduate students in Music Education and C.I. Study and performance of large choral ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5445 CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Percussion Ensemble: C.I. 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&amp;S fee: $35.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5465L CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Graduate Chamber Music: C.I. 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5478L CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Early Music Ensemble: C.I. Open to all graduate students in Music Education and C.I. Graduates ensemble experience with instruments from pre-classical through the Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5715L CAH-MUSIC</td>
<td>1(0,4)</td>
<td>Jazz Ensemble: 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5716L CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Jazz Chamber Group: 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&amp;S fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>MUN 2501C CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Opera Skills: C.I. 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.</td>
<td></td>
</tr>
<tr>
<td>MUN 3503 CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Opera Workshop: C.I. Open to all students by audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. Occasional. M&amp;S fee: $45.00</td>
<td></td>
</tr>
<tr>
<td>MUN 5505L CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate Opera Workshop: C.I. and C.I. Study of aural techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $45.00</td>
<td></td>
</tr>
<tr>
<td>MUS 1010 CAH-MUSIC</td>
<td>0(9,2)</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MUS 1250 CAH-MUSIC</td>
<td>1(2,0)</td>
<td>IPA for Singers: Open to Music majors or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.</td>
<td></td>
</tr>
<tr>
<td>MUS 1952C CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Early Music: C.I. Open to all graduate students in Music Education and C.I. Various technical and repertoire problems. Graded S/U.</td>
<td></td>
</tr>
<tr>
<td>MUS 3953 CAH-MUSIC</td>
<td>3(0,0)</td>
<td>Fundamentals of Music II: Basic music theory and reading music at the keyboard. Fall.</td>
<td></td>
</tr>
<tr>
<td>MUS 4900 CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Music Business and Industry: Open to all graduate students. Integrated course on the music business. May be used in the degree program a maximum of 5 times. Odd Fall. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUS 4905 CAH-MUSIC</td>
<td>1(1-4)</td>
<td>Directed Experience: C.I. and C.I. Junior standing, Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.</td>
<td></td>
</tr>
<tr>
<td>MUS 4954 CAH-MUSIC</td>
<td>0(1,0)</td>
<td>Recital Performance II: Open to all graduate students. Public recital of 45 minutes to demonstrate performance skills and repertoire. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>MUS 5365 CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Music and Technology: C.I. Graduate standing or senior standing, or C.I. The emergence of technology in music including MIDI, CD-ROM, and the high-tech music classroom. Occasional.</td>
<td></td>
</tr>
<tr>
<td>MUS 5677 CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Music Business and Industry: Open to all graduate students. Integrated course on the music business. May be used in the degree program a maximum of 5 times. Odd Fall. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUT 1002 CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Fundamentals of Music I: Open to all graduate students. Theory and sight singing skills. Occasional.</td>
<td></td>
</tr>
<tr>
<td>MUT 1121 CAH-MUSIC</td>
<td>4(2,3)</td>
<td>Music History and Literature: Open to all graduate students. Study of music history, both written and oral, and the historical context in which music was composed. May be used in the degree program a maximum of 5 times. Odd Fall. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUT 1122 CAH-MUSIC</td>
<td>4(2,3)</td>
<td>Music History and Literature: Open to all graduate students. Study of music history, both written and oral, and the historical context in which music was composed. May be used in the degree program a maximum of 5 times. Odd Fall. M&amp;S fee: $5.00</td>
<td></td>
</tr>
<tr>
<td>MUT 1123 CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Music History and Literature: Open to all graduate students. Study of music history, both written and oral, and the historical context in which music was composed. May be used in the degree program a maximum of 5 times. Odd Fall. M&amp;S fee: $5.00</td>
<td></td>
</tr>
</tbody>
</table>
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>School</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVB 1211</td>
<td>CAH-MUSIC</td>
<td>Secondary Trumpet</td>
<td>2(0,1)</td>
<td>PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1212</td>
<td>CAH-MUSIC</td>
<td>Secondary French Horn</td>
<td>1(0,1)</td>
<td>Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1214</td>
<td>CAH-MUSIC</td>
<td>Secondary Baritone</td>
<td>1(0,1)</td>
<td>Secondary Baritone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in baritone. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1215</td>
<td>CAH-MUSIC</td>
<td>Secondary Tuba</td>
<td>1(0,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 1411</td>
<td>CAH-MUSIC</td>
<td>Trumpet I</td>
<td>2(1,1)</td>
<td>PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1412</td>
<td>CAH-MUSIC</td>
<td>French Horn I</td>
<td>2(1,1)</td>
<td>PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1413</td>
<td>CAH-MUSIC</td>
<td>Trombone I</td>
<td>2(1,1)</td>
<td>PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1414</td>
<td>CAH-MUSIC</td>
<td>Baritone I</td>
<td>2(1,1)</td>
<td>PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 1415</td>
<td>CAH-MUSIC</td>
<td>Tuba I</td>
<td>2(1,1)</td>
<td>PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2421</td>
<td>CAH-MUSIC</td>
<td>Trumpet II</td>
<td>2(1,1)</td>
<td>PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2422</td>
<td>CAH-MUSIC</td>
<td>French Horn II</td>
<td>2(1,1)</td>
<td>PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2423</td>
<td>CAH-MUSIC</td>
<td>Trombone II</td>
<td>2(1,1)</td>
<td>PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2424</td>
<td>CAH-MUSIC</td>
<td>Baritone II</td>
<td>2(1,1)</td>
<td>PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2425</td>
<td>CAH-MUSIC</td>
<td>Tuba II</td>
<td>2(1,1)</td>
<td>PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 3431</td>
<td>CAH-MUSIC</td>
<td>Trumpet III</td>
<td>2(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 3432</td>
<td>CAH-MUSIC</td>
<td>French Horn III</td>
<td>2(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 3433</td>
<td>CAH-MUSIC</td>
<td>Trombone III</td>
<td>2(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 3434</td>
<td>CAH-MUSIC</td>
<td>Euphonium III</td>
<td>2(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 3435</td>
<td>CAH-MUSIC</td>
<td>Tuba III</td>
<td>2(3,1)</td>
<td>PR: MVB 2425 and competence determined by faculty jury. Advanced 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.</td>
</tr>
<tr>
<td>MVB 4441</td>
<td>CAH-MUSIC</td>
<td>French Horn IV</td>
<td>4(1,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 4442</td>
<td>CAH-MUSIC</td>
<td>Tuba IV</td>
<td>4(1,1)</td>
<td>PR: MVB 3433 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.</td>
</tr>
<tr>
<td>MVB 4443</td>
<td>CAH-MUSIC</td>
<td>French Horn V</td>
<td>4(1,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVB 4444</td>
<td>CAH-MUSIC</td>
<td>Euphonium V</td>
<td>4(1,1)</td>
<td>PR: MVB 3435 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.</td>
</tr>
<tr>
<td>MVB 4445</td>
<td>CAH-MUSIC</td>
<td>Tuba V</td>
<td>4(1,1)</td>
<td>PR: MVB 3436 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.</td>
</tr>
<tr>
<td>MVB 5451</td>
<td>CAH-MUSIC</td>
<td>Trumpet V</td>
<td>2(1,0)</td>
<td>PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5452</td>
<td>CAH-MUSIC</td>
<td>French Horn V</td>
<td>2(1,0)</td>
<td>PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5453</td>
<td>CAH-MUSIC</td>
<td>Trombone V</td>
<td>2(1,0)</td>
<td>PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5454</td>
<td>CAH-MUSIC</td>
<td>Baritone V</td>
<td>2(1,0)</td>
<td>PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5455</td>
<td>CAH-MUSIC</td>
<td>Tuba V</td>
<td>2(1,0)</td>
<td>PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

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<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MVJ 1010</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1213</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Guitar II: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1214</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1219</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 2220</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010 and MVJ 1110. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 2222</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 2224</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 2229</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3230</td>
<td>CAH-MUSIC</td>
<td>3(1,1)</td>
<td>Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3233</td>
<td>CAH-MUSIC</td>
<td>3(1,1)</td>
<td>Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3234</td>
<td>CAH-MUSIC</td>
<td>3(1,1)</td>
<td>Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3339</td>
<td>CAH-MUSIC</td>
<td>3(1,1)</td>
<td>Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 4240</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 4243</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 4244</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 4349</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 5350C</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVJ 5353C</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.</td>
</tr>
<tr>
<td>MVJ 5354C</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.</td>
</tr>
<tr>
<td>MVJ 5359C</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Piano I: Class instruction for beginning piano students. Not open to music majors whose major instrument is piano. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Piano II: Class instruction for beginning piano students. Not open to music majors whose major instrument is piano. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Piano III: Class instruction for beginning piano students. Not open to music majors whose major instrument is piano. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Piano IV: Class instruction for beginning piano students. Not open to music majors whose major instrument is piano. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Piano V: Class instruction for beginning piano students. Not open to music majors whose major instrument is piano. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1411</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1800</td>
<td>CAH-MUSIC</td>
<td>2(0,0)</td>
<td>Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1801</td>
<td>CAH-MUSIC</td>
<td>2(0,0)</td>
<td>Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.</td>
</tr>
<tr>
<td>MVK 2121</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Class Piano III: PR: MVK 1112; Music major or C.I. Continuation of MVK 1112. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Subject</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
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<tr>
<td>MVP 3431</td>
<td>CAH-MUSIC</td>
<td>Percussion II</td>
<td>2(1,1)</td>
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<tr>
<td>MVP 3630</td>
<td>CAH-MUSIC</td>
<td>Percussion Pedagogy</td>
<td>2(2,0)</td>
</tr>
<tr>
<td>MVP 4441</td>
<td>CAH-MUSIC</td>
<td>Violin II</td>
<td>4(1,1)</td>
</tr>
<tr>
<td>MVS 5451</td>
<td>CAH-MUSIC</td>
<td>Harp V</td>
<td>2(1,0)</td>
</tr>
<tr>
<td>MVS 1211</td>
<td>CAH-MUSIC</td>
<td>Secondary Violin</td>
<td>1(0,1)</td>
</tr>
<tr>
<td>MVS 1212</td>
<td>CAH-MUSIC</td>
<td>Secondary Viola</td>
<td>1(0,1)</td>
</tr>
<tr>
<td>MVS 1214</td>
<td>CAH-MUSIC</td>
<td>Secondary Bass</td>
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<tr>
<td>MVS 1216</td>
<td>CAH-MUSIC</td>
<td>Secondary Guitar</td>
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<td>CAH-MUSIC</td>
<td>Violin</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 1412</td>
<td>CAH-MUSIC</td>
<td>Viola</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 1413</td>
<td>CAH-MUSIC</td>
<td>Cello</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 1414</td>
<td>CAH-MUSIC</td>
<td>Bass</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 1415</td>
<td>CAH-MUSIC</td>
<td>Harp</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 1416</td>
<td>CAH-MUSIC</td>
<td>Guitar</td>
<td>2(1,1)</td>
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<tr>
<td>MVS 2421</td>
<td>CAH-MUSIC</td>
<td>Violin</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 2422</td>
<td>CAH-MUSIC</td>
<td>Viola</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 2423</td>
<td>CAH-MUSIC</td>
<td>Cello</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 2424</td>
<td>CAH-MUSIC</td>
<td>Bass</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 2425</td>
<td>CAH-MUSIC</td>
<td>Harp</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MVS 2426</td>
<td>CAH-MUSIC</td>
<td>Guitar</td>
<td>2(1,1)</td>
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<tr>
<td>MVS 3431</td>
<td>CAH-MUSIC</td>
<td>Violin</td>
<td>2-3(1,1)</td>
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<tr>
<td>MVS 3432</td>
<td>CAH-MUSIC</td>
<td>Viola</td>
<td>2-3(1,1)</td>
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<tr>
<td>MVS 3433</td>
<td>CAH-MUSIC</td>
<td>Cello</td>
<td>2-3(1,1)</td>
</tr>
<tr>
<td>MVS 3434</td>
<td>CAH-MUSIC</td>
<td>Bass</td>
<td>2-3(1,1)</td>
</tr>
<tr>
<td>MVS 3435</td>
<td>CAH-MUSIC</td>
<td>Harp</td>
<td>2-3(1,1)</td>
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<td>MVS 3436</td>
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<td>2-3(1,1)</td>
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<tr>
<td>MVS 4441</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>4(1,1)</td>
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<td>MVS 4442</td>
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<td>Voice</td>
<td>4(1,1)</td>
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<tr>
<td>MVS 4443</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>4(1,1)</td>
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<tr>
<td>MVS 4444</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>4(1,1)</td>
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<tr>
<td>MVS 4445</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>4(1,1)</td>
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<tr>
<td>MVS 4551</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,0)</td>
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<tr>
<td>MVS 4552</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
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</tr>
<tr>
<td>MVS 5453</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
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</tr>
<tr>
<td>MVS 5454</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,0)</td>
</tr>
<tr>
<td>MVS 5455</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,0)</td>
</tr>
<tr>
<td>MVS 5456</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,0)</td>
</tr>
<tr>
<td>MVS 1111</td>
<td>CAH-MUSIC</td>
<td>Class Voice</td>
<td>1(0,1)</td>
</tr>
<tr>
<td>MVS 1411</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,1)</td>
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<tr>
<td>MVS 1873</td>
<td>CAH-MUSIC</td>
<td>Secondary Voice</td>
<td>1(0,1)</td>
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<tr>
<td>MVP 2421</td>
<td>CAH-MUSIC</td>
<td>Voice</td>
<td>2(1,1)</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

MVW 3431 CAH-MUSIC 2(3,1)
Voice II: 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.

MVW 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVW 4641 CAH-MUSIC 1(1,0)
Voice Pedagogy II: PR: C.I. Continuation of MVW 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVW 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 1211 CAH-MUSIC 1(0,1)

MVW 1212 CAH-MUSIC 1(0,1)

MVW 1213 CAH-MUSIC 1(0,1)

MVW 1214 CAH-MUSIC 1(0,1)

MVW 1215 CAH-MUSIC 1(0,1)

MVW 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. 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.

MVW 3432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0)
Saxophone V: PR: Baccalaureate degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5003 CON-NURS 2(2,0)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. Fall, Spring.

NGR 5003L CON-NURS 1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Graded S/U. Fall, Spring. M&S fee: $45.00

NGR 5090 CON-NURS 3(3,0)
Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3,0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5638 CON-NURS 3(3,0)
Health Promotion: PR: Admission to MSN or Nursing Certificate program or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. Fall, Spring.

NGR 5660 CON-NURS 3(3,0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5690 CON-NURS 3(3,0)
Interdisciplinary Care at End of Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGR 5720</td>
<td>Organizational Dynamics</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>NGR 5745</td>
<td>Professional Obligations and Activities of Advanced Practice Nursing</td>
<td>1(1.0)</td>
<td>PR: NGR 5883 and NGR 5891. Admission to MSN program or C.I. Explore the professional obligations and activities of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5800</td>
<td>Theory for Advanced Practice Nursing</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>NGR 5871</td>
<td>Health Care Informatics</td>
<td>3(3.0)</td>
<td>PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.</td>
</tr>
<tr>
<td>NGR 5883</td>
<td>Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing</td>
<td>1(1.0)</td>
<td>PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5891</td>
<td>Health Care Systems, Policy and Health Professionals</td>
<td>1(1.0)</td>
<td>PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5894C</td>
<td>International Perspectives of Global Health</td>
<td>3(2.1)</td>
<td>PR: Graduation standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.</td>
</tr>
<tr>
<td>NUR 1015</td>
<td>Nursing as a Profession</td>
<td>3(3.0)</td>
<td>PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2(2.0)</td>
<td>PR: Admission to BSN program, CR: NUR 3028L; NUR 3028; NUR 3065; NUR 3065L; NUR 3065L. Lab to learn and apply scientific and evidence-based principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1(0.2)</td>
<td>PR: Admission to BSN program, CR: NUR 3028L; NUR 3028; NUR 3065; NUR 3065L; NUR 3065L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2(2.0)</td>
<td>PR: C.R.: NUR 3065L and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1(0.1)</td>
<td>PR: 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&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3(3.0)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3(3.0)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3(3.0)</td>
<td>PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3085 and RN status; or C.I. Explore the role of research in nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3165H</td>
<td>Nursing Research Seminar</td>
<td>3(3.0)</td>
<td>PR: Permission of Honors. Includes questions concerning applied nursing research as a basis for nursing practice. Selected experiences in investigating, analyzing, and interpreting research for nursing practice. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3(3.0)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3315; 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.</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Lab</td>
<td>2(0.6)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3315; NUR 3445; NUR 3445L. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3(3.0)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3315; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Lab</td>
<td>2(0.6)</td>
<td>PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3315; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3755</td>
<td>Community Health Nursing</td>
<td>3(3.0)</td>
<td>PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3065L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Community Health Nursing Lab</td>
<td>2(0.6)</td>
<td>PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3065L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3755C</td>
<td>Community Health Nursing Clinical</td>
<td>2(0.6)</td>
<td>PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3065L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
<td>2(0.2)</td>
<td>PR: Admission to the School of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3936</td>
<td>International Perspectives of Nursing and Health Care</td>
<td>3(2.2)</td>
<td>PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>NUR 4177</td>
<td>Holistic Nursing</td>
<td>3(3.0)</td>
<td>PR: Permission of Honors. Includes questions concerning human values, legal and ethical and nursing issues arising in health care delivery policy issues and professional responsibility. Occasional.</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult I</td>
<td>4(4.0)</td>
<td>PR: Admission to the BSN program, successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4538, NUR 4538L, or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program, CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or CI. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: RN status or 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 wellness, function, and rehabilitation of older adults. Fall, Spring.

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) Crisis Intervention: PR: Completion of PSY 2012, SYG 2000, and theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.

NUR 4535 CON-NURS 3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535, NUR 4227, NUR 4227L. 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 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634. CR: NUR 4837, NUR 4827, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(0,2) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,1) 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 4945L, 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 3065 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 principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4829 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or CI. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or CI. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.


NUR 4898 CON-NURS 3(3,0) Forensic Nursing Principles and Practice: PR: NUR 3825 or NUR 3805 and completion of two semesters of a nursing program or CI. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. Occasional.

NUR 4906 CON-NURS 3(3,0) Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.

NUR 4930 CON-NURS 3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/ Junior Level, or CI. Identity and critically analyze structural and socio-cultural factors that 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(0,3) 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 2043 or 2053; or Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 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.


OCE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2049 or CI. Optical and photonic processes on a nano scale and interactions with elements of physics & engineering. Occasional.

OCE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or CI. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.


OCE 5312 OPT-OPT 3(3,0) Fundamentals of Optical Science: PR: Graduate standing or CI. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonlinear optics. Fall, Spring.

OCE 5313 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing or CI. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OCE 5414 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or CI. Course will cover key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. 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 Humanics Human Service Workshop: PR: Enrollment in American Humanics Minor or National Certificate Program through American Humanics 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 studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4131 HPA-PUB 3(3,0)  
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0)  
Non-Profit Organizations: PR: PAD 3003 or C.I. The history, operation, and management of non-profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)  
Resource Development in the Nonprofit Sector: PR: Junior status or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)  
Volunteer Management: PR: Junior status 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 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0)  
Hazard Mitigation and Preparedness: PR: PR or CR: PAD 4392. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0)  
Emergency Management and Homeland Security: PR: PAD 3003 or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0)  
Disaster Response and Recovery: PR: 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 3030 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 3030 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4911 HPA-PUB 3-6(0,6)  
Public Administration Internship: CR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(3,0)  
American Humanics Internship: PR: Enrollment in American Humanics 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 Humanics 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3042L</td>
<td>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.</td>
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<tr>
<td>PCB 3044</td>
<td>COS-BIOL 3(3,0) Principles of Ecology: PR: PCB 2010C, PCB 2011C, and CHM 2054C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development.</td>
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<tr>
<td>PCB 3044L</td>
<td>COS-BIOL 1(0,3) Principles of Ecology Laboratory: PR: CR: PCB 3044, or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&amp;S fee: $15.00</td>
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<tr>
<td>PCB 3063</td>
<td>COS-BIOL 3(3,0) Genetics: PR: PCB 2010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.</td>
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<tr>
<td>PCB 3063H</td>
<td>COS-BIOL 3(3,0) Honors Genetics: PR: or CR: PCB 3063. Introduction to and applied laboratory techniques of genetics. Fall.</td>
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<tr>
<td>PCB 3063L</td>
<td>COS-BIOL 1(0,3) Genetics Laboratory: PR: or CR: PCB 3063. Introduction to laboratory techniques of genetics. Fall, Spring. M&amp;S fee: $80.00</td>
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<tr>
<td>PCB 3233</td>
<td>COM&amp;M&amp;M 3(3,0) Immunology: PR: or CR: PCB 3063. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunotherapy. Fall.</td>
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<tr>
<td>PCB 3233L</td>
<td>COM&amp;M&amp;M 1(0,3) Immunology Laboratory: CR: PCB 3023. Introduction to laboratory techniques in immunology. Fall, Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>PCB 3355C</td>
<td>COS-BIOL 2(1,1) Tropical Marine Biology: PR: or CR: PCB 2010C and PCB 2011C. Introduction to aquatic biology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.</td>
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<tr>
<td>PCB 3522</td>
<td>COM&amp;M&amp;M 3(3,0) Molecular Biology I: PR: or CR: PCB 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic systems. Fall, Spring.</td>
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<tr>
<td>PCB 3703C</td>
<td>COM&amp;M&amp;M 4(3,3) Human Physiology: PR: PCB 2010C, CHM 3382 or PCB 2045C. The physiological interrelationships of organ systems of the human body. Fall, Spring. M&amp;S fee: $35.00</td>
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<tr>
<td>PCB 4026</td>
<td>COM&amp;M&amp;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.</td>
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<tr>
<td>PCB 4174</td>
<td>COM&amp;M&amp;M 3(3,0) Foundation of Bio-Imaging Science: PR: or CR: PCB 3044, or C.I. Intensive, one week field course at an institute.</td>
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<tr>
<td>PCB 5235</td>
<td>COM&amp;M&amp;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.</td>
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<tr>
<td>PCB 5264</td>
<td>COM&amp;M&amp;M 3(3,0) Stem Cell Biology: PR: or CR: PCB 3522. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.</td>
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<tr>
<td>PCB 5353</td>
<td>COS-BIOL 3(3,0) Florida Natural History: PR: or CR: PCB 3522. Introduction to aquatic biology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.</td>
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<tr>
<td>PCB 5414</td>
<td>COS-BIOL 3(3,0) Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extranuclear inheritance, epigenetics, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.</td>
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</table>
C.I. Ecosystems of Florida will be discussed to include or equivalent, and graduate status or senior standing or differentiation. Discussion of original research papers will lead to disease states and the molecular basis of agents that impact human health and disease. Occasional.

PR: PCB 4524 or equivalent. Reading, problem solving and discussion on current topics in evolutionary biology. Fall. Spring. M&S fee: $15.00

Stem Cell Biology: PCB 5265 COM-M&M 3(3,0)

Evolution of Medical Biology: PCB 4668 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Occasional.

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.

C.I. Ecosystems of Florida: PCB 5435C COM-M&M 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

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

Human Genomics: PR: PCB 3063, graduate status or senior standing, or C.I. Human Genomics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee: $15.00

Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

PR: PCB 4683 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

PEL 2341 ED-CFC 2(1,1)

Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2340 ED-CFC 2(1,1)

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEL 2405 ED-CFC 2(1,2)

Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.

PEM 2443 ED-CFC 2(1,2)

Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFC 2(1,1)

Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFC 2(1,1)

Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee: $6.00

PEM 2173 ED-CFC 2(1,1)

Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2171 ED-CFC 2(1,1)

PEM 2130 ED-CFC 2(1,1)

Strength Resistance Training: Study of fitness and strength development through resistance exercise, Fall. Spring. M&S fee: $10.00

PEM 2134C ED-CFC 2(1,1)

Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee: $3.00

PEM 2131 ED-CFC 2(1,1)

Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring.

PEM 2121C ED-CFC 2(1,3)

Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee: $12.00

PEM 2127C ED-CFC 2(1,1)

Adapted Sports: Emphasis on modified tennis for students with self defense skills.

PEM 2121 ED-CFC 2(1,1)

Basic Volleyball and Softball: A study of the fundamentals of volleyball and softball. Fall, Spring.

PEL 2161 ED-CFC 2(1,1)

Study of volleyball concepts, techniques, rules and etiquette. Designed for a lifetime sport.

PEL 2160 ED-CFC 2(1,1)

Advanced Volleyball and Softball: A study of the advanced concepts, techniques, rules and etiquette. Designed for a lifetime sport.

PEL 2159 ED-CFC 2(1,1)

Basic and Advanced Volleyball and Softball: A study of the fundamentals and advanced concepts, techniques, rules and etiquette. Designed for a lifetime sport.

PEL 2158 ED-CFC 2(1,1)

Advanced and Tourney Volleyball: Study of advanced concepts, techniques, rules and etiquette. Designed for tournament play and enjoyable lifetime sport.

PEL 2217 ED-CFC 2(1,1)

Fall, Spring.

PEL 2216 ED-CFC 2(1,1)

Body Ball: The manipulation and strengthening of core musculature for better overall function.

PEL 2215 ED-CFC 2(1,1)

Bicycle Traveling: Exercise bike as a lifelong tool. Fall, Spring.

PEL 2214 ED-CFC 2(1,1)

Mountain Biking: Advanced riding techniques to increase body awareness, strength and balance. Fall, Spring.

PEL 2213 ED-CFC 2(1,1)
UCF Courses and Descriptions

PET 5408C ED-CFCS 3(2,1) Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEN 1121 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee: $5.00

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee: $9.00

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.


PEP 3205 ED-CFCS 3(2,1) Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.


PET 3084 ED-CFCS 3(3,0) Triathlon Training and Performance: PR: PEB 2104. Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Spring.

PET 3137 ED-CFCS 3(3,0) Concepts & Practices in Sports and Fitness: PR: Admission to the program or C.I. Examination of concepts and practices in sports and fitness. Fall.

PET 3214 COS-PSYCH 3(3,0) Sports Psychology: A review of principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.


PET 3361 ED-CFCS 3(3,0) Nutrition for Sports and Fitness: PR: ZOO 3736C or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sports and fitness. Fall.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3620 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3733C or ZOO 3736C and PCB 3703C; Junior standing; open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodstream pathogens, rehabilitation and prevention. Fall. M&S fee: $15.00.

PET 3626C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 3620. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 3633C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, Junior standing. Open to non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81.

PET 3649C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers II: PR: PET 3633C and (ZOO 3733C or ZOO 3736C). Junior Standing. Open to all non-majors. Clinical skills, including functional knowledge of upper extremity musculoskeletal anatomy; taping and bracing skills; and pharmacological interventions for common general medical conditions and athletic injuries. Spring. M&S fee: $15.00.

PET 3670L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: PET 3620. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 3(2,1) Coaching Football: PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to CoE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to the B.S. in Sports and Fitness program or C.I. Requisite knowledge of a variety of group exercise instruction modalities. Fall, Spring.

PET 3771 ED-CFCS 3(3,0) Fitness and Conditioning Concepts: PR: ZOO 3736C or C.I. The integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1) Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0) Internship I Physical Education: PR: EDG 4323; CR: PET 3900. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 6(0,16) Internship I: PR: Senior standing, EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Fall in elementary, half in secondary. Occasional.

PET 4002 ED-CFCS 3(1,2) Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking. Occasional.

PET 4050C ED-CFCS 3(2,1) Practical Teaching in PE: PR: Admission to the B.S. in Physical Education major or Fitness, Coaching, or Recreation minor or CoE. An in-depth study into fitness-related concepts as they are applied to individuals and groups. Even Spring.

PET 4088 ED-CFCS 3(3,0) Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critical and evidence of effectiveness that exercise training can prevent some diseases and improve quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0) Biomechanics of Sport: PR: PHY 2093C or PHY 2048 A, L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4312 ED-CFCS 3(2,1) Biomechanics of Sport: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2) Biomechanics of Exercise: PR: PHY 2093C or PHY 2048 A, L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C ED-CFCS 3(2,1) Applied Exercise and Human Physiology: PR: ZOO 3736C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall.
PET 4401 ED-CFCS 3(3,0)  
Administration and Evaluation in Physical Education:  
This course is designed to address administrative, measure- 
ment and evaluation considerations of physical education 
programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1)  
Fitness Assessment: PR: ZOO 3736C or C.I. A study and 
acquisition of health related fitness, exercise strategies and 
related assessment techniques. Occasional.

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: $33.50

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 
regarding athletics. Spring.

PET 4624C HPA-HP 3(2,2)  
Recognition and Evaluation of Athletic Injuries I: 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)  
Human Injuries: Mechanisms & Prevention: PR: PET 
2622C and ZOO 3736C or C.I. Study of human movement 
and analysis of techniques for the prevention and treatment 
of human injuries associated with sports and fitness. Fall.

PET 4630C HPA-HP 4(2,4)  
Therapeutic Exercise in Athletic Training: PR: PET 
3620C. Principles and techniques for applying therapeutic 
modalities. Occasional.

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 II: 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.
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 essay 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)
Videoigraphy: 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 3809C 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 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PGY 4420C CAH-Art 3(2,3)
Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2313C, PGY 2410C, 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 4440C CAH-Art 3(2,3)

PGY 4471 CAH-Art 3(3,0)
Photography Thesis: PR: PGY 3234, PG 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: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHH 3100 CAH-PHIL 3(3,0)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHH 3200 CAH-PHIL 3(3,0)
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHH 3460 CAH-PHIL 3(3,0)
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIL 3(3,0)
Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective 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 2100 or AMH 2200 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 epiistemology, political philosophy and environmental studies. Even Fall.

PHI 2100 CAH-PHIL 3(3,0)
Introduction to Philosophy: PR: Permission of Honors. Same as PHI 3103 with honors-level content. Fall.

PHI 2101H CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2100 with honors-level content. Fall.

PHI 2101 CAH-PHIL 3(3,0)

PHI 2104 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 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-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 3015. PHI 3032 or C.I. Examines the foundations of post-structuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHI 3033 CAH-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0)
Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logical systems and automatic methods; problems of metatheory, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0)
Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.

PHI 3323 CAH-PHIL 3(3,0)

PHI 3345 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological developments plus other philosophically interesting issues. Occasional.

PHI 3601 CAH-PHIL 3(1,0)
Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or C.I. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0)
Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3015. Applied ethics examining legal, religious, and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationships and caregiving. Even Spring.

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2009-2010 Undergraduate Catalog
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<td>PHY 5140C</td>
<td>COS-PHYS</td>
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UCF Courses and Descriptions

PHY 5200C COS-PHYS 1(0.5,1.5)  
Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.

PHY 5300C COS-PHYS 1(0.5,1.5)  
Electrostatics for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5302C COS-PHYS 1(0.5,1.5)  
Electromagnetism for Teachers: 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.

PHY 5346 COS-PHYS 3(3.0)  
Electrodynamics I PR: PHY 4242, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell’s equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5401C COS-PHYS 1(0.5,1.5)  
Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

PHY 5455 COS-PHYS 3(3.0)  
Modern X-Ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5466C COS-PHYS 1(0.5,1.5)  
Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.

PHY 5500C COS-PHYS 1(0.5,1.5)  
Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.

PHY 5524 COS-PHYS 3(3.0)  
Statistical Physics: 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.

PHY 5606 COS-PHYS 3(3.0)  
Quantum Mechanics I PR: PHY 4605, and graduate status or senior standing or C.I. A study of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrödinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3.0)  

PHY 5817L COS-PHYS 1(0.3)  
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee: $45.00

PHY 5846C COS-PHYS 3(3.3)  
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS 3(3.0)  
Selected topics in biophysics of macromolecules: PR: PHY 5101, CMH 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.

PHY 53113 COS-PHYS 3(3.0)  
Introduction to Theoretical Methods of Physics: PR: MAP 2252. Analytical techniques to solve problems of physics. Spring.

PHY 53151 COS-PHYS 3(3.0)  

PHY 53422 COS-PHYS 3(3.0)  
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.

PHY 53601 COS-PHYS 3(3.0)  

PHY 4390 COS-PHYS 3(3.0)  
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.

PHY 4404 COS-PHYS 3(3.0)  

PHY 4434 COS-PHYS 3(3.0)  
Nanoscience Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHY 5156E COS-PHYS 3(3.0)  
Computational Physics: PR: PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHY 5304 COS-PHYS 3(3.0)  
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHY 5405 COS-PHYS 3(3.0)  
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHY 5425C COS-PHYS 3(3.3)  
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHY 5432 COS-PHYS 3(3.0)  

PHY 5437 COS-PHYS 3(3.0)  
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHY 5505 COS-PHYS 3(3.0)  
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasma; Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PLA 3013 HPA-C/L 3(3.0)  
Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3104 HPA-C/L 3(3.0)  
Legal Research: 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.

PLA 3155 HPA-C/L 3(3.0)  
Civil Practice and Procedure - Honors: PR: Permission of Honors and PLA 3151 or C.I. Same as PLA 3021 with honors level content. Occasional.

PLA 3114 HPA-C/L 3(3.0)  
Criminal Procedure and Procedure - Honors: PR: PLA 3103 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3120 HPA-C/L 3(3.0)  
The Law of Torts: 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.

PLA 3304 HPA-C/L 3(3.0)  
Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3308 HPA-C/L 3(3.0)  
Criminal Procedure: PR: PLA 3013 or C.J. A study of police, trial, and appeal procedures, including the rules of evidence applicable to criminal procedure. Occasional.

PLA 3361 HPA-C/L 3(3.0)  
Property and Real Estate Law: PR: PLA 3013. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-C/L 3(3.0)  
Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4223 HPA-C/L 3(3.0)  
Advanced Trial Advocacy: PR: PLA 4910 or C.I. Litigation and trials at an advanced level, students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-C/L 3(3.0)  
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 3001. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530  HPA-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 Content. Occasional.

PLA 4601  HPA-C/LS  3(3,0)
Estates and Trusts: PR: PLA 3013, 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)
Advanced Entertainment Law: PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment industry at an advanced level. Occasional.

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, 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, STA 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-C/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 1120. 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.
POS 3182H COS-POLS 3(3,0)

POS 3233 COS-POLS 3(3,0)
Public Opinion: PR: Junior standing. C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3236 COS-POLS 3(3,0)
Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3236H COS-POLS 3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors consent. Occasional.

POS 3253 COS-POLS 3(3,0)
Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3254 COS-POLS 3(3,0)
Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3273 COS-POLS 3(3,0)
Voting and Elections: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0)
The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. Fall.

POS 3424 COS-POLS 3(3,0)
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change: emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0)
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economic, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0)

POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: Junior standing at C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.
PPE 3003 COS-PSYCH 3(3,0)  

PPE 3003H COS-PSYCH 3(3,0)  

PPE 5055 COS-PSYCH 3(3,0)  
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PSYCH 3(3,0)  
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PSYCH 3(3,0)  

PSB 3441 COS-PSYCH 3(3,0)  

PSB 3842 COS-PSYCH 3(3,0)  

PSB 4103C COS-PSYCH 3(2,2)  

PSB 4240C COS-PSYCH 4(3,2)  

PSB 4422 COS-PSYCH 3(2,2)  

PSB 5005 COS-PSYCH 3(3,0)  
Physiological Psychology: PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the psychophysiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)  
Physical Science: PR: High school algebra or MAC 1105. Fundamental laws of mechanics, heat, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring. M&S fee: $2.20

PSC 1121H COS-PHYS 3(3,0)  
Honors Physical Science: PR: Permission of Honors and MAC 1105 or MGF 1106. PSC 1121 with Honors-level content. Occasional.

PSC 1121L COS-PHYS 1(0,2)  
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee: $10.00

PSC 1801 COS-PHYS 3(3,0)  

PSY 2012 COS-PSYCH 3(3,0)  
Introduction to Psychological Science: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0)  
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 1(1,0)  

PSY 3022C COS-PSYCH 3(1,8)  

PSY 3028 COS-PSYCH 3(3,0)  
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204 COS-PSYCH 4(3,2)  
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.

PSY 3204H COS-PSYCH 4(3,1)  
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2)  
Research Methods in Psychology: PR: PSY 2012, PSY 3204, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2)  
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204 and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PHYCH 3(3,0)  

PSY 3320C COS-PSYCH 3(2,2)  

PSY 3624 COS-PSYCH 3(3,0)  

PSY 3630 COS-PSYCH 3(3,0)  

PSY 3703 COS-PSYCH 3(3,0)  
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

PSY 3951 COS-PSYCH 1(3-30)  
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0)  
The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3,2)  
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4270L COS-PSYCH 3(0,3)  
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and presenting the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4305C COS-PSYCH 3(1,4)  

PSY 4604 COS-PSYCH 3(3,0)  
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0)  
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.

PSY 5605 COS-PSYCH 3(3,0)  
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)  
Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)  
Environmental Politics: PR: 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.
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 CI. 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 policy consideration. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or CI. 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 CI. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0)

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate focus of domestic demands and other international space programs. Even Fall.

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 policies of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0)
Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0)
Space Policy: An examination of the policies 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: SPC 160B. Principles and practice of Public Relations including techniques, research tools, public information, and management. Fall, Spring.

PUR 4110 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 advance organizational goals. Fall, Spring.

RAT 3001 HPA-HP 3(3,0)

RAT 3241 HPA-HP 3(3,0)

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)

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, gastrointestinal, connective tissue, and lympho-reticular system. Occasional.

RAT 4618C HPA-HP 4(3,3)
Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 4(3,3)
Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0,20)

RAT 4814L HPA-HP 6(0,24)

RAT 4824L HPA-HP 8(0,24)

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 comprehension. Fall, Spring.

RED 3310 ED-CFCS 3(3,0)

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 Curriculum and Assessment: PR: RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TLP 3(3,1)

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 experience is required. Fall, Spring.

RED 5147 ED-TLP 3(3,0)

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3432</td>
<td>CAH-PHIL</td>
<td>Roots of Western Mysticism</td>
<td>PR: HUM 3431, HUM 3435, HUM 3552, HUM 4303, HUM 4545, PHH 5100, or PHH 5500. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.</td>
</tr>
<tr>
<td>REL 4110</td>
<td>CAH-PHIL</td>
<td>Religion and the Arts</td>
<td>PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2390. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.</td>
</tr>
<tr>
<td>REL 4180</td>
<td>CAH-PHIL</td>
<td>Religion and Medicine</td>
<td>PR: Junior standing and REL 2390 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.</td>
</tr>
<tr>
<td>REL 4901</td>
<td>CAH-PHIL</td>
<td>1(1,0) Portfolio</td>
<td>PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student’s best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>REL 4910</td>
<td>CAH-PHIL</td>
<td>Senior Research Seminar</td>
<td>PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.</td>
</tr>
<tr>
<td>RET 3026C</td>
<td>HPA-HP</td>
<td>Introduction to Respiratory Care</td>
<td>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&amp;S fee: $45.00</td>
</tr>
<tr>
<td>RET 3174</td>
<td>HPA-HP</td>
<td>Pediatric Respiratory Care</td>
<td>PR: RET 3026C. The study of childhood respiratory diseases, occupational problems, infections, metabolic disorders, and AIDS. Spring.</td>
</tr>
<tr>
<td>RET 3264C</td>
<td>HPA-HP</td>
<td>Mechanical Ventilation</td>
<td>PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.</td>
</tr>
<tr>
<td>RET 3483C</td>
<td>HPA-HP</td>
<td>2(2,1) Respiratory Clinical Assessment</td>
<td>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.</td>
</tr>
<tr>
<td>RET 3875</td>
<td>HPA-HP</td>
<td>8(1,24) Clinical Practice</td>
<td>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.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

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 (FTC) 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 COS-PSYCH 3(3,0)

SOP 3004 COS-PSYCH 3(3,0)

SOP 3723 COS-PSYCH 3(3,0)

SOP 3724 COS-PSYCH 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 COS-PSYCH 3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000. PPE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 COS-PSYCH 3(3,0)

SOP 5059 COS-PSYCH 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 Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0)

SOW 3111 HPA-SOWK 3(3,0)

SOW 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(3,1)

SOW 3352 HPA-SOWK 3(1,2)
Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: PR or C.I.: SOW 3300. Study and practice of inter-viewing, group leadership, written communication, and group processes presentations, in consensual as well as confrontational contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 2014 or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0)

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)
Social Welfare Policies and Issues: PR: SOW 3203 or equivalent. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resources. Fall.

SOW 4341 HPA-SOWK 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 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 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: 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 interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and C.I. Sexual orientation and cultural diversity influences on human functioning. Open to non-majors and pending social work majors. Fall.

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. The role of social workers 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.
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 system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0)
Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, 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 standardize 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 M.S.W. Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time M.S.W. 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 M.S.W. Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5363. Field education for full-time M.S.W. 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 M.S.W. Generalist Field Education and Seminar I: PR: SOW 5365; CR: SOW 5306. Field education for part-time M.S.W. generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded SU. Occasional.

SOW 5566 HPA-SOWK 2(2,0)
Part-Time M.S.W. Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time M.S.W. 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 M.S.W. Generalist Field Education and Seminar III: PR: SOW 5566. Field Education for part-time M.S.W. 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 Employee Assistance Programs: PR: C.I. Analysis of one or more urban practice issues and approaches. 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 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&DIS 1(0,1)
Speech Production lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded 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 notations 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 3123L HPA-COM SC&DIS 1(0,1)

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)

SPA 3632 HPA-COM SC&DIS 3(3,0)

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 3002. SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional. M.F.A: $15.00

SPA 4241 HPA-COM SC&DIS 3(3,0)

SPA 4321 HPA-COM SC&DIS 3(3,0)
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SPA 4400  HPA-COM SC&DIS  3(3,0)

SPA 4476  HPA-COM SC&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.

SPA 4478  HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Disorders & Differences:  PR: LIN 3176. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L  HPA-COM SC&DIS  3(0,3)
Undergraduate Clinical Practicum:  PR: SPA 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&S fee: $45.00

SPA 4555  HPA-COM SC&DIS  3(3,0)
Counseling in Communication Disorders:  PR: SPA 4056C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580  HPA-COM SC&DIS  3(3,0)
Augmentative and Alternative Communication Systems:  PR: LIN 3171 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634  HPA-COM SC&DIS  3(3,0)
Educational Implications of Deafness:  PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803  HPA-COM SC&DIS  3(3,0)
Research Methods in Communication Sciences and Disorders:  PR: STA 2044C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C  HPA-COM SC&DIS  3(2.1)
Capstone Course:  PR: OR CR: SPA 4056C and senior status. Integration of essential topics in communication sciences and disorders through course content reviews and community experiences. Fall, Spring.

SPA 4948  HPA-COM SC&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.

SPA 5473  HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Differences and Disorders:  PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554  HPA-COM SC&DIS  3(3,0)
Counseling in Communicative Disorders:  PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564  HPA-COM SC&DIS  3(3,0)
Aging and Communication:  PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

SPB 3003  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.

SPB 3503  BA-BUS  3(3,0)

SPB 3603  BA-BUS  3(3,0)

SPB 3823  BA-BUS  3(3,0)

SPB 4104  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.

SPB 4204  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.

SPB 4304  BA-BUS  3(3,0)

SPB 4404  BA-BUS  3(3,0)

SPB 4704  BA-BUS  3(3,0)
Sport Business Strategy:  PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804  BA-BUS  3(3,0)

SPC 1603  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.

SPC 1603H  COS-COMM  3(3,0)

SPC 1608  COS-COMM  3(3,0)
Fundamentals of Oral Communication:  PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.

SPC 1608H  COS-COMM  3(3,0)

SPC 3301  COS-COMM  3(1,2)
Interpersonal Communication:  PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. University Honors program. Same as SPC 1608 with honors-level content. Occasional.

SPC 3425C  COS-COMM  3(2,1)
Group Interaction and Decision-Making:  PR: COM 3311. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.

SPC 3445  COS-COMM  3(1,2)
Leadership Through Oral Communication:  PR: COM 3120 and COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513  COS-COMM  3(1,2)

SPC 3602  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.

SPC 4331  COS-COMM  3(3,0)
Nonverbal Communication:  PR: COM 3311. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426  COS-COMM  3(3,0)

SPC 4540  COS-COMM  3(3,0)
Attitudes and Communication:  PR: COM 3311. A survey of the immediate and direct ways in which persuasive communications and social groups contribute to influence attitudes. Fall, Spring.

SPM 3130  ED-CFCS  3(3,0)
Aquatic Management:  PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204  ED-CFCS  3(3,0)
Sports and Ethics:  PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415  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.
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 the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors and C.I. Same as SPN 1120C but with 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 C.I. Same as SPN 1121C with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPN 4800</td>
<td>Spanish-American Syntax</td>
<td>3(3,0)</td>
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<tr>
<td>SPN 4801</td>
<td>Spanish Morphosyntax</td>
<td>3(3,0)</td>
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<tr>
<td>SPN 4802</td>
<td>Hispanic Culture of the United States</td>
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<tr>
<td>SPN 4805</td>
<td>Spanish Peninsular Culture and Civilization</td>
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<td>SPN 4806</td>
<td>Spanish American Culture and Civilization</td>
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<tr>
<td>SPN 5705</td>
<td>Introduction to Spanish Linguistics</td>
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<td>SPN 5825</td>
<td>Spanish Dialectology</td>
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<td>SPN 5845</td>
<td>History of the Spanish Language</td>
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<td>AP Spanish Language</td>
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<td>SPT 3800</td>
<td>Spanish Translation and Interpretation</td>
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<td>SPT 3805</td>
<td>Spanish Translation and Interpretation for Mass Communication</td>
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<td>Medical Spanish Translation/Interpretation</td>
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<td>SPT 3831</td>
<td>Spanish Legal Translation and Interpretation</td>
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<td>Survey of Spanish Literature II</td>
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<td>Survey of Latin-American Literature III</td>
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<td>SPW 3270</td>
<td>20th Century Spanish Novel</td>
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<td>SPW 3272</td>
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<td>Contemporary Iberian Theatre</td>
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<td>Latin-American Narrative Essay</td>
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<tr>
<td>SPW 3480</td>
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<tr>
<td>SPW 3741</td>
<td>Contemporary Spanish American Southern Cone Literature</td>
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<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School</td>
<td>3(3,0)</td>
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</table>
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.

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 problem 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 certificiation 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 2(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 2(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 MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0)
Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312. Assumes 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 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0)

STA 4102 COS-STAT 3(3,0)
Computer Processing of Statistical Data: PR: STA 4162 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 new number STA 4133). 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 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0)
Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0)

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. Amortization, 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, repeated measures designs; logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(3,0) Experimental Design I: PR: STA 4164, STA 4510, or ES2 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 Analysis: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Consider discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.

STA 5546 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 techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded SU. Occasional.

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, by computer package usage, analysis, interpretation. May be repeated for credit. Graded SU. 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-COE 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, topography, map compilation and map production. Occasional.

SUR 3331 ECS-ENT 3(3,0) Photogrammetry: PR: SUR 2101C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imaging, geometry of aerial photography, image and object spaces, stereoscopy, 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 4403. 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 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 3100 or C.I. Sociological data collectors, 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 3400C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 4(3,2) Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of 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.
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)  
Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

THE 5288 CAH-THEA 3(3,0)  
Period Costumes, Architecture and DEcor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.

THE 5289 CAH-THEA 3(3,0)  

THE 5307 CAH-THEA 3(3,0)  

THE 5385 CAH-THEA 3(3,0)  
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5910 CAH-THEA 3(3,0)  
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice, knowledge, skills and techniques needed by students to conduct research to include organization, style, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA 1(0,20)  
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students practical working knowledge in Theatre. Occasional.

THE 5946L CAH-THEA 1(0,20)  
Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I: A laboratory course designed to develop students practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2)  
Theatre Design Basics: PR: BFA Design/tech or Stage Management major, C (2.0) or better required in THE 2000 or THE 2010. Basic design skills for scenic, lighting, and costume designers using color, grayscale, textures and symmetry to create a strong stage presence. Fall.

TPA 2010C CAH-THEA 3(2,2)  
Sceneography: PR: C (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costuming and sound. Occasional.

TPA 2071C CAH-THEA 3(2,2)  
Theatre Rendering: PR: C (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2201 CAH-THEA 2(2,0)  

TPA 2201L CAH-THEA 1(0,6)  

TPA 2210 CAH-THEA 3(3,0)  

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(1,0)  
Stagecraft II: PR: C (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.

TPA 2211L CAH-THEA 1(0,6)  
Stagecraft II Lab: PR: C (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Practical projects in scenic and property construction. Occasional. M&S fee: $45.00.

TPA 2220C CAH-THEA 3(2,2)  
Stage Electronics: PR: or CR: THE 2000 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, Spring. M&S fee: $29.50.

TPA 2230C CAH-THEA 3(2,2)  

TPA 2248C CAH-THEA 2(2,2)  

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 5 times. Fall, Spring. M&S fee: $15.00.

TPA 2600 CAH-THEA 3(3,0)  
Stage Management Basics: PR: C (2.0) or better in THE 2000 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)  
Scene Painting: PR: C (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall, Spring. M&S fee: $45.00.

TPA 3195L CAH-THEA 3(0,VAR)  
Summer Theatre Studio/Design I: PR: Departmental consent by audition or interview. Studio, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional. M&S fee: $20.00.

TPA 3197L CAH-THEA 3(0,VAR)  
Summer Theatre Studio/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. Occasional. M&S fee: $20.00.
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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 systems/performance as they relate to theatre organizations/ Institutions. Fall.

TPA 5885C CAH-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee: $30.00

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. Occasional.

TPP 2101 CAH-THEA 3(3,0)
Fundamentals of Acting I: 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)
Acting I - Introductions: PR: B.F.A. Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Development of imagination, self-awareness, and the ability to execute basic stage tasks. Fall, Spring.

TPP 2170C CAH-THEA 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: Admission to the theatre major 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 BFA 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 3257C. Practical acting techniques in solo musical theatre repertoire. Fall.

TPP 3172C CAH-THEA 2(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of acting techniques 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 5451C. Stage combat with emphasis on hand-to-hand combat. Spring.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor I: PR: C (2.0) or better in TPA 5525C. Reinforcement of the techniques of TPA 5525. Fall.

TPP 3711C CAH-THEA 2(2,1)
Voice Production II: PR: "C" (2.0) or better in TPP 3710C. 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)
Summer Studio Performance: PR: Audition/Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3712C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)
Acting Y - Verbe: PR: Grade of C (2.0) or better required in TPP 4140C. Verbe drama with particular emphasis placed on scansion and verse from the plays of William Shakespeare. Spring.

TPP 4143C CAH-THEA 3(2,2)
Acting Styles: PR: "C" (2.0) or better in TPP 3703C or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

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TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor; "C" (2.0) or better in TPP 4200L. 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 4103 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 2001 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 2001 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3256C. Advanced work in cabaret/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 4259C, diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265CAH-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(3,2)
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 4295C. Continuation of diagnosis and development of the singing voice using techniques 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)
Improviation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to MFA Acting in 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, Spring.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/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 5273C 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 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515C 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 unarmed combat. Spring.

TPP 5554C CAH-THEA 2(2,4)
Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. 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 of accents. Review of all Linklater work, and instruction to the work of Arthur Lessac. Spring.

TPP 5754C 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-LANG 3(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching, English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANL 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 culture, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANL 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-LANL 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-LANL 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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 5525</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.</td>
</tr>
<tr>
<td>TSL 5940</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Issues in TELF: PR: Graduate status or senior standing or C.I. Address issues specifically related to TELF, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>ECS-CEE</td>
<td>4(4,0)</td>
<td>Transportation Engineering: PR: SUR 2101C, EGN 3613 and STA 3022. Investigation of highway and transportation systems. Approaches to planning, design, operation and administration of transportation networks. Fall, Spring.</td>
</tr>
<tr>
<td>TTE 4601C</td>
<td>ECS-CEE</td>
<td>3(2,2)</td>
<td>Urban Systems Design: PR: TTE 4004. Project course on design of transportation and urban systems using engineering design methodologies. Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>TTE 5204</td>
<td>ECS-CEE</td>
<td>3(3,0)</td>
<td>Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.</td>
</tr>
<tr>
<td>TTE 5700</td>
<td>ECS-CEE</td>
<td>3(3,0)</td>
<td>Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.</td>
</tr>
<tr>
<td>TTE 5805</td>
<td>ECS-CEE</td>
<td>3(3,0)</td>
<td>Geometric Design of Transportation Systems: PR: TTE 4004 and C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.</td>
</tr>
<tr>
<td>TTE 5835</td>
<td>ECS-CEE</td>
<td>3(3,0)</td>
<td>Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.</td>
</tr>
<tr>
<td>VIC 3001</td>
<td>COS-COMM</td>
<td>3(3,0)</td>
<td>Visual Communication: PR: Journalism major or department consent. A study of human visual systems and influences of visual media on modern society. Occasional.</td>
</tr>
<tr>
<td>WOH 2010</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.</td>
</tr>
<tr>
<td>WOH 2012H</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>World Civilization II - Honors: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.</td>
</tr>
<tr>
<td>WOH 2021</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.</td>
</tr>
<tr>
<td>WST 3015</td>
<td>CAH-WOM</td>
<td>3(3,0)</td>
<td>Introduction to Women's Studies: PR: ENC 1102 or C I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.</td>
</tr>
</tbody>
</table>
ZOO 4605 COM-M&M 3(3,0)  

ZOO 4704C COM-M&M 4(3,1)  
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.

ZOO 4704H COM-M&M 4(3,2)  
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.

ZOO 4747C COM-M&M 4(3,1)  
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major 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 4753C COM-M&M 4(3,3)  
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&S fee: $25.00

ZOO 5456C COS-BIOL 4(2,6)  
Ichthyology: PR: 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)  
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee: $15.00

ZOO 5748C COM-M&M 5(3,2)  
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 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

M&S fee: $15.00
ALEXANDER-SNOW, MIA, Assistant Professor of Education (2008), B.A., M.Ed., Ph.D. (Vanderbilt University)  
ALI, TARIG, Assistant Professor of Engineering Technology (2000), B.S., M.S., Ph.D. (Ohio State University)  
ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S.M.A., M.L.S. (University of Tennessee)  
ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)  
ALLEN, KAY WILLIAMSON, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)  
ALLGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)  
ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)  
ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)  
ALRUTZ, MEGAN, Assistant Professor of Theatre (2004), B.A., Ph.D. (Arizona State University)  
ALVAREZ, DIANE E., Assistant Professor of Education (2003), B.A., M.A., M.P.H. (University of California at Los Angeles)  
AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M.B.A., Ph.D. (University of Illinois at Urbana-Champaign)  
AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Loyola University of Chicago)  
AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)  
ANDREASEN, JANET, Visiting Assistant Professor of Education (2005), B.A., M.A., Ed.D. (University of Central Florida)  
ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), R.N., Ph.D. (University of Central Florida)  
ANGELOPoulos, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)  
ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)  
ANTON, WILMA, Assistant Professor of Economics (2001), B.S., M.S., ABD (University of Illinois)  
APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S., Ph.D. (University of Cincinnati)  
APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)  
ARK, PAMELA, Assistant Professor, College of Nursing (2004), R.N., Ph.D. (University of Tennessee, Memphis)  
ARJAN, KAREN, Professor, College of Nursing (2008), B.S., M.S., Ph.D. (University of Washington)  
ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)  
ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.C.E., C.C.E.)  
ATKINSON, TOM, Visiting Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)  
AVNI, DORA, Visiting Instructor of Hebrew (2007), B.A., M.A. (Ohio State University)  
AZIM, CYRUS, Lecturer of Psychology (2006), B.S., M. A., Ph.D. (Michigan State University)  
BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)  
BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)  
BAILEY, CHARLES D., Professor of Accounting (1991), B.B.A., M.B.A., M.P.A., Ph.D. (Georgia State University)  
BALL, L. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.  
BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)  
BALLANTYNE, JOHN, Associate Professor of Chemistry (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)  
BARBER, SARAH, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado)  
BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D.  
BARNONE, BRIAN, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)  
BARRATT, AMY, Extenshem Coordinator and Instructor of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida)  
BARRATT, NADINE, Assistant Professor of Sociology (2007), B.A., M.A., M.S., Ph.D. (Texas Woman's University)  
BARRINGTON, BRUCE, Associate Professor of Management (1995), B.S., M.B.A., Ph.D. (University of Missouri-Columbia)  
BARTKEVICIUS, JOCelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)  
BASSOUINI, MOSTAFA, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)  
BAST, CAROL M., Associate Director, Visiting Assistant Librarian (2001), B.A., M.A., J.D. (New York Law School)  
BASEU, SAPTHAHI, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)  
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<td>Assistant Professor of Philosophy (1999)</td>
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<td>STEEN, JULIE</td>
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<td>STEPHENSON, JOANNE</td>
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<td>STEWART, TRAE</td>
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HODGOOD, WILLIAM J., Professor Emeritus for Administration and Finance (1968), B.A., M.Ed., Ph.D. (Kent State University)
Jones, Halsey R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)
JUDE, FRANK E., Professor Emeritus of Chemical Engineering (1968), B.S., Ph.D. (University of Arkansas)
KERSTEN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1966), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)
KOENENGE, 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)
LECKIE, SHIRLEY A., Professor Emeritus of History (1985), B.A., M.A., Ph.D. (University of Toronto)
LILLEY, 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) MADSSEN, 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)
MATHIES, 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)
McBRAY, JAMES D., Professor Emeritus of Engineering (1990), B.S.A.E., M.S., Dipl., Sc.(Eng.) (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)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICARELLI, CHARLES N.</td>
<td>Dean and Professor Emeritus of Foreign Languages and Literature (1967), B.A., M.A., Ph.D. (Boston University)</td>
</tr>
<tr>
<td>MILLER, CALVIN C.</td>
<td>Dean and Professor Emeritus of Education (1967), B.A., M.Ed., Ed.D. (Florida State University)</td>
</tr>
<tr>
<td>MILLER, ERNEST E.</td>
<td>Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (University of North Dakota)</td>
</tr>
<tr>
<td>MILMAN, CHARLES N.</td>
<td>President Emeritus and Professor of Finance (1965), B.S., M.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>MORGAN, BEN B., JR</td>
<td>Professor Emeritus of Psychology (1988), B.A., M.A., Ph.D. (University of Louisville)</td>
</tr>
<tr>
<td>MULLIN, THOMAS A.</td>
<td>Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)</td>
</tr>
<tr>
<td>O'KEEFE, M. TIMOTHY</td>
<td>Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>OMANS, STUART E.</td>
<td>Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)</td>
</tr>
<tr>
<td>OSTLE, BERNARD</td>
<td>Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)</td>
</tr>
<tr>
<td>PAUL, GORDON W.</td>
<td>Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)</td>
</tr>
<tr>
<td>PAULEY, BRUCE F.</td>
<td>Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)</td>
</tr>
<tr>
<td>PHILLIPS, RONALD L.</td>
<td>Professor Emeritus of Engineering and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)</td>
</tr>
<tr>
<td>ROHTER, FRANK D.</td>
<td>Professor Emeritus of Education (1968), B.S., M.Ed., Ph.D. (University of Southern California)</td>
</tr>
<tr>
<td>ROLLINS, JACK B.</td>
<td>Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)</td>
</tr>
<tr>
<td>RUBIN, RONALD S.</td>
<td>Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)</td>
</tr>
<tr>
<td>SALTER, JOHN H. III</td>
<td>Chairholder, Ems &amp; Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)</td>
</tr>
<tr>
<td>SCHIFFHORST, GERALD J.</td>
<td>Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)</td>
</tr>
<tr>
<td>SCHRADER, GEORGE F.</td>
<td>Professor Emeritus of Engineering (1969), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida, Illinois)</td>
</tr>
<tr>
<td>SCOTT JR., DAVID F.</td>
<td>Holder, Phillips-Schenck Chair in American Private Enterprise; Executive Director, Dr. Phillips Institute for the Study of American Business Activity; and Professor Emeritus of Finance (1982), B.S.B.A., M.B.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>SHERWOOD, HOWARD</td>
<td>Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)</td>
</tr>
<tr>
<td>SHOFNER, JERRELL H.</td>
<td>Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>SILLIVAN, WILLIAM F.</td>
<td>Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)</td>
</tr>
<tr>
<td>SMITH, HARRY W., JR</td>
<td>Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>SMITH, WILLIAM F.</td>
<td>Professor Emeritus of Engineering (1968), B.A., M.S., Sc.D. (Massachusetts Institute of Technology), P.E. (California, Florida)</td>
</tr>
<tr>
<td>SNELSON, FRANKLIN F., JR</td>
<td>Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)</td>
</tr>
<tr>
<td>SOBERVILLE, PAUL N.</td>
<td>Professor Emeritus of Statistics (1972), B.S.C., Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>SORG, STEVEN E.</td>
<td>Associate Professor Emeritus of Education (1978), B.S., M.S., Ph.D. (Florida State University)</td>
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<tr>
<td>STEFANINO, GEORGE I.A.</td>
<td>Professor Emeritus of Optics and ECECS (1990), B.S., M.S., Ph.D. (University of Houston)</td>
</tr>
<tr>
<td>TAYLOR, JAMES</td>
<td>Professor Emeritus of Engineering (1977), B.S.E.I., M.S., Ph.D. (University of Florida), P.E. (Florida)</td>
</tr>
<tr>
<td>TAYLOR, K. PHILLIP</td>
<td>Professor Emeritus of Communication (1970), B.A., Ph.D. (Indiana University)</td>
</tr>
<tr>
<td>TAYLOR, MICHAEL D.</td>
<td>Professor Emeritus of Mathematics (1968), B.A., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>TAYLOR, WALTER K.</td>
<td>Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)</td>
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<tr>
<td>THOMAS, MARGARET H.</td>
<td>Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>TUBBS, LEVESTER</td>
<td>Associate Professor Emeritus, Educational Research, Technology, and Leadership (1980), B.S., M.S., Ed.D. (University of Missouri-Columbia)</td>
</tr>
<tr>
<td>TUCKER, RICHARD D.</td>
<td>Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)</td>
</tr>
<tr>
<td>TZANNES, NICOLAOS S.</td>
<td>Professor Emeritus of Engineering (1986), B.E.E., M.E.E., Ph.D. (Johns Hopkins University)</td>
</tr>
<tr>
<td>WALLACE, RONALD L.</td>
<td>Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>WANGELIST, MARTIN P.</td>
<td>Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)</td>
</tr>
<tr>
<td>WHITE, ROSEANN S.</td>
<td>Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas S.W. Medical School)</td>
</tr>
<tr>
<td>WOLF, J. GARY</td>
<td>Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)</td>
</tr>
<tr>
<td>WRIGHT, BURTON</td>
<td>Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>WYCOFF, EDGAR B.</td>
<td>Associate Professor Emeritus of Dermatology (1968), B.S.C.E., M.S., Ph.D. (Floridia, Pennsylvania)</td>
</tr>
<tr>
<td>ADEWALE, ADEMOLA</td>
<td>Courtesy Assistant Professor of Emergency Medicine (2008), M.D.</td>
</tr>
<tr>
<td>ADEWALDE, ADEMOLA</td>
<td>Courtesy Assistant Professor of Emergency Medicine (2008), M.D.</td>
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<td>ALKHAR, WASIM</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<tr>
<td>ALBRIGHT, JAY</td>
<td>Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.</td>
</tr>
<tr>
<td>ALDAROIO, SIGREDO</td>
<td>Associate Professor of Internal Medicine (2007), M.D.</td>
</tr>
<tr>
<td>ALLEN, ALEXANDER</td>
<td>Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.</td>
</tr>
<tr>
<td>ALM, KAISER</td>
<td>Courtesy Assistant Professor of Dermatology (2008), Ph.D.</td>
</tr>
<tr>
<td>LI, MAHMOOD</td>
<td>Courtesy Assistant Professor of Medicine/Department of Medical Education (2007), M.D.</td>
</tr>
<tr>
<td>ALLENDE, RAFAEL</td>
<td>Courtesy Assistant Professor of Neurosurgery (2008), M.D.</td>
</tr>
<tr>
<td>ALLISON, LORI</td>
<td>Courtesy Instructor of Medical Education (2008), Ph.D.</td>
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<tr>
<td>ALMEYDA-GOMEZ, JUAN</td>
<td>Courtesy Assistant Professor of Pediatrics (2008), M.D.</td>
</tr>
<tr>
<td>ALMOND, JIMMY</td>
<td>Courtesy Assistant Professor of Family Medicine (2008), M.D.</td>
</tr>
<tr>
<td>ALVARADO, FERNANDO</td>
<td>Courtesy Associate Professor of Internal Medicine (2008), M.D.</td>
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<tr>
<td>ALVAREZ, JOSE</td>
<td>Courtesy Assistant Professor of Anesthesiolo (2008), M.D.</td>
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<tr>
<td>AMGOTT, THEODORE</td>
<td>Courtesy Assistant Professor of Medical Education (2008), Ph.D.</td>
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<tr>
<td>AMIRI-HOSSEINI, ALI</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<tr>
<td>ALEXANDER, PAUL</td>
<td>Courtesy Assistant Professor of Emergency Medicine (2008), M.D.</td>
</tr>
<tr>
<td>ANDERSON, KYLE</td>
<td>Assistant Professor of Internal Medicine (2007), M.D.</td>
</tr>
</tbody>
</table>
Courtesay Appointments

ANDERSON, MICHAEL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
ANGELIS, MICHAEL, Associate Professor of Surgery - Med. Ed. (2007), M.D.
ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.
ARSENE, ANDREEA, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
AUSTIN, MITCHELL BYRNE, Courtesy Associate Professor of Pediatric Otolaryngology (2009), M.D.
AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D (University of London)
BAIDAS, SAID, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BAKER, JAMES, Courtesy Professor of Surgery - Med. Ed. (2007), M.D.
BALAJI, GOBVENKATA, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)
BANCROFT, LAURA, Courtesy Professor of Radiology (2008), M.D.
BANEY, RICHARD, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BARTH, ANTHONY, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BAROUDI, ISSA, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
BARNES, ELENA, Assistant Professor of Internal Medicine (2007), M.D.
BAROUS, ISA, Courtesy Assistant Professor of Plastic Surgery (2001), B.S., Ph.D. (University of Hawaii at Manoa)
BECKNER, MARK, Assistant Professor of Orthopaedic Surgery (2007), M.D.
BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPCE (1998), Ph.D. (Syracuse University)
BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)
BELNICK, LUCILLE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BENTON, JANE, Courtesy Assistant Professor of Pediatrics (2008), M.D.
BETTINGER, TAMARA, Assistant Professor of Biology (2003), (Oklahoma State University)
BHAMBRI, RAJV, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BHULLER, AMANPREET, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.
BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)
BIGSBY, GLENN, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), D.O.
BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine D.O. (Philadelphia College of Osteopathic Medicine)
BIRENBAUM, DALE, Courtesy Assistant Professor of Surgery (2008), M.D.
BIRNBAL, MARK, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.
BISHOP, LARRY, Courtesy Assistant Professor of Dermatology (2009), M.D.
BISSET, ROBERT, Courtesy Assistant of Family Medicine (2008), M.D.
BLOCH, JONATHAN, Courtesy Assistant Professor of Surgery (2008), M.D.
BLOCK, ERNEST, Courtesy Professor of Surgery (2008), M.D.
BOBUSTIC, GEORGE, Courtesy Assistant Professor of Neurology (2008), M.D.
BONDAR, MYKHAILO, Visiting Assistant Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)
BORRERO, JOSE, Courtesy Assistant Professor of Surgery (2008), M.D.
BOSSHARDT, RICHARD, Courtesy Assistant Professor of Surgery - Med. Ed. (2007), M.D.
BOUCHER, DANIELLE, Courtesy Assistant Professor of Obstetrics (2008), M.D.
BRADY, LOUIS, Courtesy Associate Professor of Orthopaedic Surgery - Med. Ed. (2007), M.D.
BRANSTEIN, ANDREW, Courtesy Assistant Professor of Surgery (2008), M.D.
BRENNAN, DANIEL, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
BROWN, CLARENCE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)
BURGESS, ANDREW, Courtesy Professor of Orthopaedic Surgery (2008), M.D.
BURROWES, ADRIAN, Courtesy Assistant Professor of Family Medicine (2008), M.D.
BUSKOWSKI, JOHN, Courtesy Assistant Professor of Obstetrics (2008), M.D.
BYERS, ANTHONY, Courtesy Assistant Professor of Medical Education (2008), Ph.D.
CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)
CALIMANO, FRANCISCO, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
CAMDESSANCH, JEAN-PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)
CAMPBELL, JOHN, Courtesy Assistant Professor of Family Medicine (2008), M.D.
CAMPBELL, MIKE, Courtesy Instructor of Medical Education (2008), Ph.D.
CARAKUSHANSKY, MAURI, Courtesy Assistant Professor of Pediatrics (2008), M.D.
CARLAN, STEPHEN, Courtesy Professor of Obstetrics and Gynecology (2008), M.D.
CARLSON, JOHN K., Research Assistant Professor of Biology (2003), (University of Mississippi)
CARR, BRANDON, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
CARTER, TIMOTHY, Associate Professor of Neurology (2007), M.D.
CASSIDY, DAVID, Courtesy Assistant Professor of Emergency Medicine (2009), M.D.
CHACKO, CHOWALLUR, Courtesy Assistant Professor of Psychiatry, College of Medicine, Department of Medical Education (2007), M.D.
CHACKO, LYNN, Assistant Professor of Family Medicine (2007), M.D.
CHAHALVI, ALI, Courtesy Associate Professor of Neurosurgery (2007), M.D.
CHAI, KARL, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)
CHAKRABARTI, DEBOPAM, Associate Professor of Molecular Biology and Microbiology (1999), Ph.D. (University of Calcutta-Bose Institute)
CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)
CHASE, JOHN, Assistant Professor of Orthopaedic Surgery (2007), M.D.
CHEATHAM, MICHAEL, Courtesy Professor of Surgery (2008), M.D.
CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)
CHITICK, ELIZABETH, Assistant Research Professor of Biology (2002), M.D.
CHOUHRY, AFZAL, Courtesy Assistant Professor of Neurology (2008), M.D.
CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)
CHULANI, VEOHD, Courtesy Assistant Professor of Pediatrics (2008), M.D.
CLARK, MARK, Courtesy Associate Professor of Emergency Medicine (2008), M.D.
COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)
COFFEE, KEVIN, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)
COHEN, MICHAEL, Courtesy Assistant Professor of Surgery (2008), M.D.
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.
GALLAGHER, JOSEPH, Courtesy Assistant Professor of Surgery (2008), M.D.
GAMMON, RICHARD, Courtesy Assistant Professor of Pathology (2008), M.D.
GARCIA, DANIEL, Assistant Professor of Pathology (2004), B.S., M.D. (Medical College of Georgia).
GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology, Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo).
GOLDEN, NANIALEI, Assistant Professor of Radiation Oncology (2007), M.D.
GOLDIEZ, BRIAN, Secondary Joint Assistant Professor (2006), B.S., M.S., Ph.D. (University of Central Florida).
GOODMAN, GARY, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
GOODMAN, IRA, Courtesy Associate Professor of Anatomy (2006), B.S., M.D. (University of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology).
GOODWIN, KENNETH, Courtesy Assistant Professor of Surgery (2006), M.D.
GORDON, ALAN, Courtesy Assistant Professor of Obstetrics and Gynecology (2008), M.D.
GORDON, PAUL R., Courtesy Assistant Professor of Pediatrics (2008), M.D.
GORKHAM, JAYNE S., Courtesy Adjunct Professor (2007), Ed.D. (Nova Southeastern University).
GRAFF, KENNETH, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
GREENBERG, HAROLD, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
GREENSPOON, JEFFREY, Courtesy Assistant Professor of Orthopedic Surgery (2008), M.D.
GRIFIS, SUSAN E., Clinical Faculty, College of Nursing (2002), (Cerrington University).
GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology (2000), M.D. (University of Chile).
GUNTER, GLENSA, Courtesy 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 Associate 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.
HAAK, BRIAN, Associate Professor of Ophthalmology (2007), M.D.
HADDADIN, MUNTHER, Courtesy Professor of Civil, Environmental, and Construction Engineering (2006), B.S., M.S., Ph.D. (University of Washington, Seattle, WA).
HAFEEZ, 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), M.D.
HAJJAR, FOUAD, Courtesy Assistant Professor of Pediatrics (2008), M.D.
HALL, THOMAS, Courtesy Instructor of Psychiatry (2008), LCsw.
HANEER, HUSEIN, 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.
HAYDAY, 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), M.D.
HENSEL, KURT, Courtesy Assistant Professor of Orthopaedic Medicine (2008), M.D.
HERNANDEZ, ANTONIO, Courtesy Associate Professor of Pathology (2008), M.D.
HICKMAN, JAMES, Courtesy Assistant Professor of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology).
HIGGINS, WILLIAM, Courtesy Professor of Molecular Biology and Biochemistry (2004), D.V.M. (University of Georgia).
HILAL, RAOUF, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
HILL, ASHLEY, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.
HO, 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.
HOLTEN, DREW, Courtesy Assistant Professor of Pathology (2006), M.D.
HOSCH, ERIK, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
HOSCH, JAY, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
HUEY, BRAD, Courtesy Assistant Professor of Physics (2008), M.D.
HUGHES, JAY, Courtesy Assistant Professor of Internal Medicine - Med. Ed. (2007), D. O.
IRWIN, RICHARD B., Research Professor of Materials Science and Engineering (2007), B.S., M.S., Ph.D. (University of Pittsburgh).
ISENMAN, MARTIN, Assistant Professor of Internal Medicine (2007), M.D.
JACOBS, DANIEL H., Courtesy Associate Professor of Neurology (2008), M.D.
JACOBS, HERNANDEZ, Featured Professor of Radiology (2008), M.D.
JACOBS, ORSON, Courtesy Assistant Professor of Pediatrics (2008), M.D.
JACKSON, WALTER, Courtesy Assistant Professor of Pathology (2008), M.D.
JONES, MARK, Courtesy Assistant Professor of Pediatrics (2008), M.D.
JONES, RICHARD, Courtesy Assistant Professor of Pathology (2008), M.D.
JONES, WILLIAM, Courtesy Assistant Professor of Pathology (2008), M.D.
LOY, RANDALL, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.
LUKE, MATTHEW, Courtesy Professor of Surgery (2008), M.D.
LYNCH, JOYCE, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
MA, MUCHOU, Courtesy Assistant Professor of Pathology (2003), M.D., Ph.D.
MACKSOUID, WAHID, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.
MADRUGA, MARIO, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
MAGEE, THOMAS, Courtesy Associate Professor of Radiology (2008), M.D.
MALIK, KHIZAR, (2008), M.D.
MARTINEZ, SANTIAGO, (2007), M.D.
MARTIN, RAFAEL, Courtesy Assistant Professor of Radiology (2008), M.D.
MANNOUCHERI, MANOUCHERI, Courtesy Assistant Professor of Family Medicine (2008), M.D.
MARATHE, SHIRAM, Courtesy Assistant Professor - Public Affairs (2007)
MARTIN, JULIA, Courtesy Associate Professor of Pathology (2007), M.D.
MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)
MARTINEZ, RAMON, Assistant Professor of Psychiatry (2007), M.D.
MARTINEZ, SANTIAGO, Courtesy Assistant Professor of Pediatrics, College of Medicine, Department of Medical Education (2007), M.D.
MARZANO, PETER, Assistant Professor of Internal Medicine (2007), M.D.
MASCOE, MAURICE, Courtesy Assistant Professor of Emergency Medicine (2008), M.D., FACEP
MASOOD, AHMED, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
MATHIAS, ROBERT, Professor of Pediatrics (2007), M.D.
MAYER, DAVID, Secondary Joint Appointment, Assistant Professor of Psychology (2003), M.D.
MCCLELAND, JAMES, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
MCCLELLAND, JAMES, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
MCCOLL, JOSEPH, Assistant Professor of Internal Medicine (2007), M.D.
MCBRIDE, MICHAEL, Courtesy Assistant Professor of Urology, College of Medicine, Department of Medical Education (2007), M.D.
MCDUGALL, JEFFREY, Courtesy Assistant Professor of Family Medicine (2008), M.D.
McHALE, MICHAEL, Courtesy Clinical Faculty, College of Nursing (2002), (Philadelphia College of Osteopathic Medicine)
McINNES, DAVID, Courtesy Assistant Professor of Family Medicine (2008), M.D.
McNEES, PATRICK, Courtesy Faculty Associate, School of Nursing (2002), University of Florida
MCPherson, Brenda, Faculty Associate, Educational Studies (2003)
McREYNOLDS, JOHN WILLIAM, Courtesy Assistant Professor of Pediatrics (2008), M.D.
McWHERTER, JEANIE, Courtesy Professor of Obstetrics (2008), M.D.
MEDIN, A. LOUIS, Professor of Engineering Ph.D. (Ohio State University)
MEHTA, VINET, Courtesy Assistant Professor of Psychiatry (2008), M.D.
MELLEN, JILL, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)
MELVIN, EUGENE, Courtesy Assistant Professor of Anesthesiology (2008), M.D.
MEMBreno, jaime, Courtesy Assistant Professor of Ophthalmology, College of Medicine, Department of Medical Education (2007), M.D.
MENGES, ERIC, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
METZGER, ROBERT, Courtesy Associate Professor of Medicine (2008), M.D.
MIDDLETOWN, ROBERT, Courtesy Assistant Professor of Pediatrics (2008), M.D.
MILLER, GARY, Courtesy Assistant Professor of Family Medicine, College of Medicine, Department of Medical Education (2007), M.D.
MILLER, MARK, Courtesy Assistant Professor of Radiology (2008), M.D.
MILLS, BARRY, Assistant Professor of Internal Medicine (2007), M.D.
MILOV, DAVID, Courtesy Associate Professor of Pediatrics (2008), M.D.
MILUNSKI, MARK, Courtesy Associate Professor of Medicine (2007), M.D.
MISHKIN, ERIC, Courtesy Assistant Professor of Medical Education (2008), Ph.D.
MOBIN, SYED, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
MOGLE, DOUGLAS, Courtesy Assistant Professor of Neurology (2008), M.D.
MOINFAR, NADER, Courtesy Assistant Professor of Ophthalmology (2008), M.D.
MOLNAR, PETER, Secondary Joint Assistant Professor of Biomolecular Science Center (2005), Ph.D. (Eotvos Lorand University, Hungary)
MOLPUS, BRANTLEY, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
MOLTHROP, DAVID, Assistant Professor of Internal Medicine (2007), M.D.
MOMPINT-BRANCH, MYRTHO, Courtesy Assistant Professor of Psychiatry (2008), M.D.
MORE, GEORGE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
MONTANE, BRENDA, Courtesy Associate Professor of Pediatrics (2008), M.D.
MONTAUTI, SILVANA, Courtesy Assistant Professor of Psychiatry (2008), M.D.
MONTGOMERY, AMANDA SOLES, Courtesy Instructor of Medical Education (2008), M.S.W.
MOODY, TONI, Courtesy Assistant Professor of Pediatrics (2008), M.D.
MOORJANI, ANITA, Courtesy Assistant Professor of Pediatrics (2008), M.D.
MORAN, COLLEEN, Courtesy Assistant Professor of Pediatrics (2008), M.D.
MORRIS, LORI JEDLICA, Courtesy Research Associate Professor of Biology (2004), B.S., M.S. (College of William and Mary)
MOSER, J. DAVID, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
MOSER, JANICE, Courtesy Assistant Professor of Medical Education (2008), Ph.D.
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NADOLNY, RICHARD, Courtesy Assistant Professor of Internal Medicine (2009), M.D.
NAGASUBRAMANIAM, R., Courtesy Assistant Professor of Pediatrics (2008), M.D.
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NAZARIO, STEVEN, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.
NEEL, JAMES, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
NEMETHY, MARGARET, Clinical Faculty, College of Nursing (2002), (University of Florida)
NEWBERG, NEIL, Courtesy Assistant Professor of Medicine (2007), M.D.
NEWCOMBE, MALINDA, Courtesy Assistant Professor of Family Medicine (2008), M.D.
NICHOLS, JAMES, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)
NIKTIN, DMITRIY, Courtesy Assistant Professor of Surgery (2008), M.D.
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OGDEN, JACQUELINE J., Assistant Research Professor of Biology (1999), B.A., M.S., Ph.D. (Georgia Institute of Technology)
OHJA, ASHISH, Courtesy Assistant Professor of Family Medicine (2008), M.D.
OLIVERA, CARLOS MARIO, Courtesy Assistant Professor of Obstetrics (2008), M.D.
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ONIK, GARY M., Clinical Faculty, Physical Therapy, Professor of Radiology M.D. (New York Medical College)
OTT, MICHAEL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
PACHAIDEE, SUKANYA, Assistant Professor of Internal Medicine (2007), M.D.

PALMER, KENNETH, Courtesy Assistant Professor of Otolaryngology (2008), M.D.

PAPA, JOHN, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.

PAPA, CRISTIAN, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.

PAPPAS, PETER, Courtesy Assistant Professor of Surgery (2008), M.D.

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PERNICONE, PETER, D.O. (2007), M.D.

PATEL, BADRISH JAYANTI, M.D., FACEP (2008), M.D.

PATEL, VIPUL, M.D. (2008), M.D.

MAHAR, RON, Assistant Professor of Urology (2008), M.D.

PATIL, SUNITA, Courtesy Assistant Professor of Urology (2008), M.D.

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PATTISAPU, JOGI, M.D. (2008), M.D.

PEARSE, DAVID, Ph.D., M.D. (2008), M.D.

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PEARL, GARY, Professor of Radiation Oncology (2007), M.D.

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RATH, ROGER, Courtesy Assistant Professor of Ophthalmology (2008), M.D.

RAZACK, MOHAMED S., Courtesy Associate Professor of Surgery (2008), M.D.

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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, MON, Courtesy Associate Professor of Surgery (2008), M.D.

RYAN, THOMAS, Courtesy Assistant Professor of Emergency Medicine (2008), M.D., Ph.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)

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SALUP, CARLOS, Courtesy Assistant Professor of Obstetrics and Gynecology (2008), M.D.

SANDERS, JAMES, Courtesy Assistant Professor of Neurosurgery (2008), M.D.
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 or Urology (2008), M.D.
SARRIERA, JOSE, Courtesy Assistant Professor of Internal Medicine (2003), M.D.
SCHMIDT, ANDREW, Professor of Internal Medicine (2007), M.D.
SCHIENBART, LEE, D.O., Assistant Professor of Internal Medicine (2002), M.D.
SCHIETMANN, NORBERTO, Courtesy Associate Professor of Internal Medicine (2008), M.D.
SCHUMACHER, PAUL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SCHNEIDER, JEANETTE CARPENTER, Courtesy Assistant Professor of Medical Education (2008), J.D.
SCHULTZ, ALFONS, Secondary Joint Associate Professor of Optics & Photonics (2004), Dr. rer. nat. (Technische Universität München)
SCHUMACHER, PAUL,Courtesy Assistant Professor of Surgery (2008), M.D.
SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP
SEELMAN, ROBERT, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SEIFEN, HANI, Courtesy Assistant Professor of Medicine (2007).
SELBY, THOMAS, Assistant Professor of Chemistry (2002), Ph.D. (Ohio State University)
SELZICK, STEVEN, Courtesy Assistant Professor of Family Medicine (2009), D.O.
SHAFFARAN, IRA, Associate Professor of Medicine (2007), M.D.
SHAH, MUBARAK A., Secondary Joint 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.
SHAIIKH, NAAZLI, Courtesy Assistant Professor of Ophthalmology (2009), M.D.
SHAIIKH, SAAD, Courtesy Associate Professor of Ophthalmology, College of Medicine, Department of Medical Education (2007), M.D.
SHARPMAN, MARC, Courtesy Assistant Professor of Neurology (2008), M.D.
SHEIKH, KHALID, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
SHELLENBERGER, 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)
SHIBER, 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 (2008), 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 (2008), 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 (2008), 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 (2006), M.D.
SMITH, HOWARD, Courtesy Associate Professor of Surgery (2008), M.D.
SMITH JR., DAVID, Courtesy Assistant Professor of Anesthesiology (2008), 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.
SOLERO, RICHARD, Courtesy Assistant Professor of Internal Medicine (2009), M.D.
SOLOMAN, JAMES, Courtesy Associate Professor of Dermatology - Med. Ed. (2007), M.D., Ph.D.
SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)
SOLOROCA-HICKMANN, 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 (2008), 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.
ST. LOUIS, PHILLIP, Courtesy Assistant Professor of Neurosurgery (2008), M.D.
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, ODDET, Courtesy Assistant Professor of Pediatrics (2008), M.D.
STEEL, IAN, Courtesy Assistant Professor of Medical Education (2008), M.D.
STEIN, BRUCE, Courtesy Assistant Professor of Internal Medicine, College of Medicine, Department of Medical Education (2007), M.D.
STERN, JONATHAN S, Assistant Professor of Biology (2002), B.A., M.A., Ph.D. (Texas A&M)
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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, HARIHARIER, 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 (2006), 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.
SWEENY, PAUL D., Professor of Psychology (1999), M.S., Ph.D. (Indiana University)
SYMEONIDES, SIMON, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
TAGGART, JOHN, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
TAIBUNAN, DANIEL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
TAISSING, ANDREW, Assistant Professor of Internal Medicine (2007), M.D.
TAISSING, ANDREW, Assistant Professor of Internal Medicine (2007), M.D.
TAGGART, JOHN, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
TAIBUNAN, DANIEL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
TAISSING, ANDREW, Assistant Professor of Internal Medicine (2007), M.D.
TIPIRNENI, KIRAN, (2008), M.D.
Assistant Professor of Emergency Medicine
School of Medicine)

THUNDIYIL, JOSEF, (2008), M.D.
Assistant Professor of Surgery

VACATOVA, JANA, (2008), M.D.
Emergency Medicine

TIRDAO-GONZALEZ, ALFREDO, (2008), M.D.
Assistant Professor of Otolaryngology

THOMPSON, CHARLES, (2008), M.D.
Assistant Professor of Pathology

THOMPSON, CLIFFORD, (2008), M.D.
Assistant Professor of Surgery

THOMPSON, HUGH, (2007), M.D.
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THOMPSON, CLIFFORD, (2008), D.O.
Assistant Professor of Emergency Medicine

THOMPSON, CLIFFORD, (2008), M.D.
Guest Assistant Professor of Surgery

THOMPSON, CLIFFORD, (2008), M.D.
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TOKARSKI, PENOLEPO, (2008), M.D.
Assistant Professor of Pediatrics

TIRDAO-GONZALEZ, ALFREDO, (2008), M.D.
Associate Professor of Emergency Medicine

TOKARSKI, PENOLEPO, (2008), M.D.
Assistant Professor of Pediatrics

TORRES, RODOLFO, (2008), M.D.
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Course Assistant Professor of Otolaryngology

TRAN, TIEN-ANH, (2008), M.D.
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TREVETT, MILDRED, (2008), M.D.
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TROLICE, MARK, (2008), M.D.
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TROUT, RONALD, (2008), M.D.
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TRUITT, TIMOTHY, (2008), M.D.
Assistant Professor of Internal Medicine

TRUMBLE, ERIC, (2008), M.D.
Course Assistant Professor of Neurosurgery

UHLEMANN, EDWARD, (2008), M.D.
Assistant Professor of Pathology

USMANI, SEEMI, (2008), M.D.
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VACATova, JAna, (2008), M.D.
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VALDES, EDUARDO V., (2008), M.D., Ph.D. (University of Guelp)
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VALENTE, THOMAS, (2008), M.D.
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VAN STRYLAND, ERIC W., (2008), M.D.
Professor of Medicine

VANU, DANIEL, (2008), M.D.
Professor of Medicine

VAUGHN, JESSICA, (2008), M.D.
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VEGA, CELESTINO, (2008), M.D.
Assistant Professor of Family Medicine

VELEZ-MUNICH, CARLOS, (2008), M.D.
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VICARI, RALPH, (2008), M.D.
Professor of Medicine

VIDYASAGER, VANGALA, (2008), M.D.
Assistant Professor of Psychiatry

VINARSKY, SIMON, (2008), M.D.
Assistant Professor of Internal Medicine

WALTERS, ASHLEY, (2008), M.D.
Assistant Professor of Medicine

WU, SHIN-THON, (2008), M.D.
Assistant Professor of Electrical and Computer Engineering

YANG, JOSHUA, (2008), M.D.
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YOUNG, CHARLES, (2008), M.D.
Assistant Professor of Otolaryngology

YOUNG, JIM, (2008), M.D.
Assistant Professor of Otolaryngology

ZEIDE, DONNA, (2008), M.D.
Assistant Professor of Dermatology

ZAHRAI, FAISSAL, (2008), M.D.
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ZABINSKI, PETER, (2008), M.D.
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ZARDA, P. RICHARD, (2008), M.D.
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ZISSMAN, EDWARD, (2008), M.D.
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WARMEN, WILLIAM, (2008), M.D.
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WATSON, STEPHEN M., (2008), M.D.
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WESLEY, JON, (2008), M.D.
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WHITCOMB, CARRIE, (2008), M.D.
Professor of Forensic Science

WHITCOMB, CARRIE, (2008), M.D.
Professor of Forensic Science

WILLIAMS, JESSICA, (2008), M.D.
Assistant Professor of Pediatrics

WILLIAMS, JOSEPH, (2008), M.D.
Assistant Professor of Internal Medicine

WILLIAMS, ROBERT, (2008), M.D.
Assistant Professor of Pediatrics

WILLIAMS, ROBERT, (2008), M.D.
Assistant Professor of Pediatrics

WILLIS, JAYNE, (2008), M.D.
Assistant Professor of Surgery

YOUNG, WILLIAM, (2008), M.D.
Assistant Professor of Orthopaedic Surgery

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

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Assistant Professor of Pediatrics

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Assistant Professor of Pediatrics

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Assistant Professor of Pediatrics

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Assistant Professor of Pediatrics

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ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

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Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics

ZOVALETA, ERNESTO, (2008), M.D.
Assistant Professor of Pediatrics
ADMINISTRATIVE OFFICERS AND STAFF

ABNEY, BARBARA COMPTON, Director, Marketing/Communications, Office of Research & Commercialization (1997), B.S in Journalism (University of Florida)

ARCHER, SANDRA, Director, University Analysis and Planning Support (2004), B.A., M.S. (University of Central Florida)


AZURE, BEVERLY, Director, Student Services, Western Region (2007), B.A., M.S. (University of Central Florida)

BISHOP, PATRICIA J., Director, Economics (2001), M.A., M.S. (London School of Economics)

BORDEN, M. PAIGE, Director, Special Assistant to the President (1980), B.S.J., M.S.P.A. (Florida State University)

BROWN, VICTORIA, University Ombuds Officer (1990), B.A. (University of Central Florida)

BULLN, KIM, Director, University Police (1998), B.S. (Orlando Police Department)

BROWNE, RICHARD, Director, University President, Global Perspectives (2003), M.A., M.S. (London School of Economics)


BOSTON, BELINDA, Director, Fraternity and Sorority Life (2004), B.S., M.S. (Western Illinois University)

BRADLEY, LINDA, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

BRADY, PAMELA A., Director, Student Services, Western Region (1990), A.A., B.A. (University of Central Florida)

BRENNER, SCOTT, Director, Data Administrator (1997), B.A., M.S. (Florida State University)

BRETT, DIANE Z., Vice Provost, Academic Affairs, University (1994), Ph.D. (University of Central Florida)

CHANG, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHASE, DIANE Z., Vice Provost, Academic Affairs, University (1984), B.A., Ph.D. (University of Pennsylvania)

CHAVIS JR., GORDON D., Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)

CHEREPNOW, SANDRA M., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

CLARK, TRACY, University Controller (2008)

COBOLN, TREVOR, President Emeritus, Professor of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., A.M., M.A., Ph.D. (Johns Hopkins University)

COLE, W. SCOTT, President and General Counsel (2002), B.S., J.D. (University of Florida)

CORZINE, LIN, Assistant Vice President, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in St. Louis)

CRAWFORD, BRAD, Director, Campus Faiths and Ministries (1999), MBA, M.Div. (The Southern Baptist Theological Seminary)

DIEBEL, MARCIA A., Director, Creative School for Children (1982), B.A. (Ashland University)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DRESSLER, SHERI, Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)

DULNING, DENNIS J., University Registrar (1999), B.S., M.S., Ed.D. (Montana State University)


EHAZZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EKERN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1999), B.A., M.P.A., Ed.D. (University of Central Florida)

EXUM, TERRY, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)

FORTIER, VANESSA, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)

GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)

GUMBLE, MARK, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghamton University)

HALL, RHONDA C, Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Alcohol & Other Drug Programming (1991), B.S., M.S. (Florida State University)

HALPIN, SUZANNE M., Director, Student Union (1998), B.S. (Bentley College)

HARM, ALFRED G., Vice President, Strategic Planning, and Initiatives and Special Assistant to the President (2005), B.S., M.S. (Texas A&M University)

HARRISON, DAVID, Vice Provost, UCF Regional Campuses (2004), B.S., M.B.A., Ph.D. (Ohio State University)

HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)

HELM, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HENDRY, JAMES, Assistant Vice President, News and Information (2007), B.S. (University of Florida)

HICKEY, TERRY L., Provost and Executive Vice President, and Professor of Psychology (2003), B.A., M.A., Ph.D. (University of Miami)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOLLINGS, ROBERT, Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation. (1998), B.A., M.A. (University of Maine)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)

HOPP, CAROLYN, Director, Clinical Experiences (2003), B.A., M.A., Ph.D. (University of Central Florida)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (1981), B.A., M.A. (Dallas Theological Seminary)

JAFFE, LARRY, Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S. (Rutgers University)

JARREL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.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.S.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),
MEALOR, DAVID, 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)


Mason, Gregory S., Associate Vice President, Director, Office of Student Affairs and Director, Student Legal Services (2007), B.S., M.A., Ph.D. (University of Central Florida)


Marrett, Caroline, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)


Mason, Gregory S., Director, Fraternity & Sorority Housing and Development (1990), B.A., M.S. (Indiana University)

McKinney, Mary, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (University of Central Florida)

Mealer, David, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)

Merck, Il William F., Vice President for Administration and Finance, and CFO (1996), B.B.A., M.B.A. (Georgia State University)

Messina, Thomas, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)

Millikan, 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)

Modiano, Doan T., Associate Vice President, Academic Affairs (2006), Ph.D. (Texas Christian University)

Monroe, Judith E., Associate Vice President, University Support (1976), B.S., M.A. (University of Central Florida)

Morgan, Gary, Student Leadership Programs (1982), B.S., M.A. (Bowling Green State University)

Morrison-Shetlar, Alison, Vice Provost and Dean, Undergraduate Studies and Professor of Biology (2002), B.S., Ph.D. (Dundee College of Technology)


Neighber, J. Edward, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

Newman, Peter, Director, Facilities Planning (1977), B.S. (Drexel University)

Norvell, David, Director, Sustainability and Energy (2008)

O'Neal, Thomas P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

Oro, Gennia, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)


Pavlounis, 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)

Peterson, Angela, Assistant Vice President, Admissions, Enrollment Services, and Marketing UCF Regional Campuses (2005), B.S., M.S. Ed. (Pittsburg State University)

Petkov, Anna, Director, Constituent Relations (2008)

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. (Florida State University)

Poole, Max C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), Ph.D. (Medical College of Georgia)

Powell, Fritlaine, 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 (1988), 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)

Reddick, 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)

Ritchie, 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)

Sawyer, Curtis, Director, Business Services (2008)

Schell, John F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)

Schneider, Kimberly, Director, Student Development and Specialization Research (2007), B.S., Ph.D. (University of South Carolina)

Schons, Edward L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)

Schuckman, Gregory A., Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)

Scarrino, 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 & EECS (1987), B.S., M.S., Ph.D. (University of Southern California)

Stebbins, Consuelo, 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)

VITTES, M. ELLIOT, Associate Dean, Undergraduate Studies & Academic Services and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

WAGNER, PATRICK, Assistant Vice President and Director, Continuing Education (1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)

WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)

WATSON, MONTEL J., Interim Director, UCF Physical Plant (1994), B.A., M.B.A. (Loyola University of Chicago)

WEIDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)

WELCH, KERRY, Assistant Vice President and Director, Office of Student Involvement (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

YANCHELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)
<table>
<thead>
<tr>
<th>Date</th>
<th>Degree Type</th>
<th>Name</th>
<th>Date</th>
<th>Degree Type</th>
<th>Name</th>
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<tbody>
<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
<td></td>
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<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
<td></td>
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<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
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<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
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<tr>
<td>June 1979</td>
<td>Albert F. Hegenberger, Doctor of Engineering Science</td>
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<tr>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
<td>December 1999</td>
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<tr>
<td>Howard Phillips, Doctor of Public Service</td>
<td>December 2000</td>
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<tr>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
<td>May 2001</td>
<td></td>
<td></td>
<td>Lotfi Zadeh, Doctor of Science</td>
<td></td>
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<tr>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2002</td>
<td></td>
<td></td>
<td>Richard M. Karp, Doctor of Science</td>
<td></td>
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<tr>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>May 2005</td>
<td></td>
<td></td>
<td>Joseph F. Traub, Doctor of Science</td>
<td></td>
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<tr>
<td>John Duda, Doctor of Agricultural Service</td>
<td>October 2002</td>
<td></td>
<td></td>
<td>Leroy T. Walker Sr., Doctor of Public Service</td>
<td></td>
</tr>
<tr>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>November 2002</td>
<td></td>
<td></td>
<td>Nancy Burnett, Doctor of Commercial Science</td>
<td></td>
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<tr>
<td>William E. Davis, Doctor of Public Service</td>
<td>December 2002</td>
<td></td>
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<td>Albert Burnett, Doctor of Commercial Science</td>
<td></td>
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<tr>
<td>J. W. Hubler, Doctor of Engineering Science</td>
<td>December 2004</td>
<td></td>
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<td>G. Vince Amico, Doctor of Science</td>
<td></td>
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<tr>
<td>Charles Wadsworth, Doctor of Public Service</td>
<td>December 2005</td>
<td></td>
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<td>Lester Mandell, Doctor of Commercial Science</td>
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<tr>
<td>Allan E. Goteb, Doctor of Laws</td>
<td>December 2006</td>
<td></td>
<td></td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<tr>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>February 2007</td>
<td></td>
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<td>Anibel Acevedo Vila, Doctor of Public Science</td>
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<tr>
<td>D. Robert Graham, Doctor of Public Service</td>
<td>May 2008</td>
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<td>Charles Hard Townes, Doctor of Science</td>
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<tr>
<td>Eisele Wiesel, Doctor of Letters</td>
<td>May 2010</td>
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<tr>
<td>May 2011</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 2012</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>Charles N. Millican, Doctor of Laws</td>
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<tr>
<td>May 2013</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<tr>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<tr>
<td>May 2014</td>
<td>Roald Hoffman, Doctor of Science</td>
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</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

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.

COHPA: 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 (COHPA), 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.
Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-“ (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the 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 KnightMail e-mail, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to 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 IDentity 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 IDentity Number): personal eight-digit code required when enrolling in myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g., early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

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 Ocala, 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 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/web/. 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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