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Undergraduate Catalog

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The UCF Creed

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

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

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

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

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

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

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
Dear UCF Students and Prospective Students:

Welcome to the University of Central Florida. 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 faculty and staff pledge their best efforts in helping you attain your educational goals.

As you pursue your studies, please remember that a college education is not totally academic. It extends beyond the classroom, laboratory, or studio to campus clubs and organizations, concerts, plays, speeches, and athletic events. I hope that you will become involved in UCF campus life and that you will also 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, I hope that you will take pride in your university. Like the Pegasus, our symbol, UCF is on the ascent. In over forty years of service, we have risen from promise to prominence: 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 135,000 alumni.

Cordially yours,

John C. Hitt
President

An Equal Opportunity and Affirmative Action Institution
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UNIVERSITY ADMINISTRATION

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Associate Dean ........................................................ Stephen LeBruno

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Chair, Chemistry ........................................................ Kevin Beifeld
Chair, Communication ................................................... Mary Alice Shaver
Chair, Computer Science ............................................. Robert J. Kolarz
Chair, Geosciences ......................................................... Zinah Noursi
Chair, Physics ............................................................. Ralph Llewellyn
Chair, Political Science ................................................... Roger Handberg
Chair, Psychology ........................................................ Robert H. Labovitz
Chair, Sociology .......................................................... Harold Corzine
Chair, Statistics & Actuarial Sciences ................................. David Nickerson
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2006</th>
<th>Spring 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application deadline for Graduate International students</td>
<td>Jan. 15</td>
<td>July 1, 2006</td>
</tr>
<tr>
<td>Application deadline for Undergraduate International students</td>
<td>March 1</td>
<td>Sept. 1, 2006</td>
</tr>
<tr>
<td>Application deadline for all New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>Nov. 1, 2006</td>
</tr>
<tr>
<td>Application deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>Nov. 1, 2006</td>
</tr>
<tr>
<td>Application deadlines for readmission</td>
<td>July 15</td>
<td>Nov. 15, 2006</td>
</tr>
<tr>
<td>Graduation Application (Intent to Graduate form) due in college advising office</td>
<td>Aug. 4</td>
<td>Dec. 2, 2006</td>
</tr>
<tr>
<td>Registration and Add/Drop</td>
<td>Mar. 27 - Aug. 4</td>
<td>Mar. 27 - Jan 27, 2007</td>
</tr>
<tr>
<td>Residence halls open</td>
<td>Aug. 17 (11:00 a.m.)</td>
<td>Jan. 5 (1:00 p.m.)</td>
</tr>
<tr>
<td>Registration time for State Employees, Non-degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Registration for UCF Employees, Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Classes begin</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Late Registration¹ and Add/Drop¹</td>
<td>Aug. 21-25</td>
<td>Jan. 8-12</td>
</tr>
<tr>
<td>Last day for full refund¹</td>
<td>Aug. 25</td>
<td>Jan. 12</td>
</tr>
<tr>
<td>Grade Forgiveness deadline¹</td>
<td>Aug. 25</td>
<td>Jan. 12</td>
</tr>
<tr>
<td>Payment deadline²</td>
<td>Sep. 1</td>
<td>Jan. 19</td>
</tr>
<tr>
<td>CLAST test (register by September 2/Jan. 20)</td>
<td>Oct. 7</td>
<td>Feb. 17</td>
</tr>
<tr>
<td>Withdrawal deadline¹</td>
<td>Oct. 13</td>
<td>Mar. 2</td>
</tr>
<tr>
<td>VA deferral payment deadline¹</td>
<td>Nov. 17</td>
<td>Apr. 6</td>
</tr>
<tr>
<td>Classes end; last day to remove incomplete³</td>
<td>Dec. 2</td>
<td>Apr. 23</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Dec. 4-9</td>
<td>Apr. 24 - May 30</td>
</tr>
<tr>
<td>Residence halls close (noon)</td>
<td>Dec. 10</td>
<td>May 1</td>
</tr>
<tr>
<td>Commencement</td>
<td>Dec. 11-12</td>
<td>May 3-5</td>
</tr>
<tr>
<td>Grades Due in Registrar's Office</td>
<td>Dec. 13</td>
<td>May 3</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>Dec. 15</td>
<td>May 5</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the Schedule Web Guide and online Academic Calendar (www.ucf.edu/info) 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 (MH 329) at 407-823-6479.

¹ Ends at 5:00 p.m. on last day.
² $100 Late Registration Fee applies to students who enroll following the close of Add/Drop or who enroll for the first time that term during Late Registration and Add/Drop.
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."

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>Sep. 4, 2006</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>Oct. 30 - Nov. 4, 2006</td>
</tr>
<tr>
<td>Veteran's Day Holiday</td>
<td>Nov. 10-11, 2006</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Nov., 2005</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>November 23-25, 2007</td>
</tr>
<tr>
<td>Spring Break - Holiday</td>
<td>March 12-17, 2007</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 4, 2007</td>
</tr>
</tbody>
</table>
## SUMMER 2007 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Session</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
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</thead>
<tbody>
<tr>
<td>Application deadline for all New Undergraduate Freshmen Applicants and Transfers</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application deadlines for readmission</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
</tr>
<tr>
<td>Graduation Application (Intent to Graduate form) due in college advising office</td>
<td>Mar. 5 - April 23</td>
<td>Mar. 5 - April 23</td>
<td>Mar. 5 - April 23</td>
<td>Mar. 5 - April 23</td>
</tr>
<tr>
<td>Registration for State Employees, Non-degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 11</td>
<td>June 22</td>
<td>May 11</td>
<td>May 11</td>
</tr>
<tr>
<td>Registration for UCF Employees, Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>May 11</td>
<td>June 22</td>
<td>May 11</td>
<td>May 11</td>
</tr>
<tr>
<td>Residence halls open (11:00 a.m.)</td>
<td>May 13</td>
<td>June 23</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 4</td>
<td>June 25</td>
<td>May 4</td>
<td>May 4</td>
</tr>
<tr>
<td>Late Registration and Add/Drop</td>
<td>May 14-18</td>
<td>June 25-29</td>
<td>May 14-18</td>
<td>May 14-18</td>
</tr>
<tr>
<td>Fees due; Last day for full refund</td>
<td>May 25, 2007 - Students registering from 3/26/07 through 5/18/07</td>
<td>7/6/07 - Students registering for Summer B only through 6/29/07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness deadline</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Withdrawal deadline</td>
<td>June 1</td>
<td>July 13</td>
<td>June 22</td>
<td>June 15</td>
</tr>
<tr>
<td>VA deferral payment deadline</td>
<td>July 27</td>
<td>July 27</td>
<td>July 27</td>
<td>July 27</td>
</tr>
<tr>
<td>Classes end; last day to remove incomplete grades</td>
<td>June 22</td>
<td>August 3</td>
<td>August 3</td>
<td>July 13</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>June 22</td>
<td>August 3</td>
<td>August 3</td>
<td>July 13</td>
</tr>
<tr>
<td>Residence halls close (noon)</td>
<td>June 23</td>
<td>August 4</td>
<td>August 4</td>
<td>July 14</td>
</tr>
<tr>
<td>Grades due in Registrar’s Office</td>
<td>June 25</td>
<td>August 6</td>
<td>August 6</td>
<td>July 16</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>June 26</td>
<td>August 8</td>
<td>August 8</td>
<td>July 17</td>
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<tr>
<td>Commencement</td>
<td>August 4</td>
<td>August 4</td>
<td>August 4</td>
<td>August 4</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are pending approval by the Florida Department of Education and subject to change. Consult the Schedule Web Guide and online Academic Calendar (www.ucf.edu/info) for information.

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1 Ends at 5:00 p.m. on last day
2 Summer B payment deadline for all students who register 3/26 - 5/18; Summer B payment deadline for all students who register May 19 - June 29.
3 $100 Late Registration Fee applies to students who enroll following the close of Add/Drop or who enroll for the first time that term during Late Registration and Add/Drop. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
4 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to "F".
5 Summer Final Exams are given during the last class meeting

### University Holidays and Special Events

- **Memorial Day Holiday** ........................................... May 28, 2007
- **Independence Day Holiday** ................................. July 4, 2007
Administrative Procedures Act Policy Statement
The University of Central Florida, under applicable rules of the Administrative Procedures Act, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in this Undergraduate Catalog. The Undergraduate Catalog is published once a year and cannot always reflect new and modified regulations. Statements in this Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

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

Non-Discrimination Policy (including sexual harassment)
The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, or veteran’s status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;  
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or  
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

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

Drug-Free Workplace/Drug-Free Schools Policy Statement
Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned and controlled property or as part of any of its activities.

Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, action which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

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

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

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

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors.
commercial use of academic material: selling notes, handouts, etc. without the express written permission of the University and the Instructor is a violation of this rule.

Unauthorized assistance: communication to another through written, visual, or oral means. The presentation of material which has not been studied or learned, but rather was obtained solely through someone else's efforts and used as part of an examination, course assignment, or project. The unauthorized possession or use of examination or course related material may also constitute cheating.

Commercial Use of Academic Material. Selling notes, handouts, etc. 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, 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 e-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless networking card. Recommended configurations can be found on the University's Web site at http://www.cstore.ucf.edu/store/standards.html

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 additional 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

To communicate in a more expeditious manner, UCF uses e-mail as the primary means of notifying students of important University business and information dealing with registration, deadlines, financial assistance, scholarships, tuition and fees, etc.

To avoid missing important communications from the University, students must ensure that the University has an up-to-date "preferred" e-mail address, as well as both permanent and mailing (local) addresses.

It is critical that students maintain and regularly check their preferred e-mail account for official announcements and notifications.

Communications sent to an address on record will be deemed adequate notice. The University does not accept responsibility if official communication is rejected or fails to reach a student who has not notified the University of a change of preferred e-mail or postal mailing address.

Please ensure that your preferred e-mail or postal mailing address, as well as both permanent and mailing (local) addresses and telephone number, are current with the University at all times.

Students can update their contact information online 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. Specific procedures included in specific sections of this catalog and the Golden Rule.

Accreditation

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

The University of Central Florida is accredited by the Commission on
The University of Central Florida is one of the fastest growing, metropolitan research universities in the country—and it is located in Orlando, one of the most dynamic metropolitan areas in the U.S. With a total enrollment of more than 42,500, UCF is now one of the largest universities in the nation.

UCF is dynamically changing institution with growth and construction. Students and faculty enjoy state-of-the-art wireless classrooms and modern facilities, including a Barnes and Noble Bookstore with a cyber café, and a 185,000-square-foot Student Union with 11 restaurants and seven retail stores. Major construction projects recently completed include the Academic Village Residence Complex; the Promess Energy Student Support Welcome Center; the four-story UCF Academy for Teaching, Learning and Leadership; the Wayne Densch Sports Center; and the 84,500-square-foot Recreation and Wellness Center. The College of Engineering and Computer Science is adding a third major building to complement its current 107,000-square-foot, high-tech wireless facility—and the new Rosen College of Hospitality Management is housed in a 159,000-square-foot footprint on a 20-acre site in the heart of Central Florida’s tourist corridor.

UCF is quickly approaching the $100 million level in research funding from federal, state and private sources. By moving the university from promise to prominence in optics, lasers, photonics, nanoscience, engineering, education, simulation and biomolecular science, UCF researchers are demonstrating that imagination has no limits and anything is possible.

The main campus of UCF is located 13 miles east of the city of Orlando, 45 miles from the Atlantic Ocean and Cape Canaveral, and 100 miles from Tampa and the Gulf of Mexico. The area boasts world-class shopping and dining, lakes, golf courses, jogging trails, nature preserves, cultural and artistic opportunities and theme parks.

Online@UCF, The Virtual Campus
http://online.ucf.edu/

The UCF Virtual Campus 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. The course materials and methods were developed by UCF faculty to maximize the learner’s achievement of course and program objectives.

Online courses are identified in the online Class Schedule Search (https://my.ucf.edu) by the Instruction Mode found on the class detail panel for each class. Web-related instruction modes are:

- MIXED-MODE/REDUCED SEAT TIME (M): These courses include electronic media-based instruction that substitutes for some classroom time (reduced seat time).
- WORLD WIDE WEB (W): These courses are delivered entirely over the Internet. They may require proctored examinations and may include opportunities for face-to-face orientations, but there will be no class attendance requirements.
- OFF-CAMPUS (O): These courses are offered off-campus and are delivered entirely over the Internet. They may require proctored examinations and may include opportunities for face-to-face orientations.
- MIXED-MODE (M): These courses include a combination of web and classroom instruction.

These courses are identified in the online Class Schedule Search (https://my.ucf.edu) by the Instruction Mode found on the class detail panel for each class. Web-related instruction modes are:

- MIXED-MODE/REDUCED SEAT TIME (M): These courses include electronic media-based instruction that substitutes for some classroom time (reduced seat time).
- WORLD WIDE WEB (W): These courses are delivered entirely over the Internet. They may require proctored examinations and may include opportunities for face-to-face orientations, but there will be no class attendance requirements.
- OFF-CAMPUS (O): These courses are offered off-campus and are delivered entirely over the Internet. They may require proctored examinations and may include opportunities for face-to-face orientations.
- MIXED-MODE (M): These courses include a combination of web and classroom instruction.

UCF’s virtual campus is supported and facilitated by the Center for Distributed Learning. The Center’s mission is to provide support to students, faculty, and staff in the development and planning of distributed learning courses and programs. The Center serves as 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. For information about degree and certificate programs available online, visit http://online.ucf.edu, or write to online@ucf.edu.
UCF Regional Campuses

The University of Central Florida also 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 20 Bachelor’s programs, 19 minors, 11 master’s degrees, and 9 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

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

All locations provide students with an opportunity to enroll in select courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the university. As a UCF student, 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 Campuses locations, programs or class schedules, check the website at www.regionalcampuses.ucf.edu

Administration

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

Vice Provost, UCF Regional Campuses ........................................ David Harrison
Senior Administrative Assistant ........................................... Dania Suarez
Asst. Vice President, Student Services .................................. A.J. Range
Director, Academic Planning .................................................. Bill Wetherell
Instructional Facilities Scheduler ........................................... Barbara Smith
Coordinator, Statistical Research ........................................... Charles Otto
Coordinator, Statistical Research ........................................... Jeanne Walker
Director, Admissions ................................................................. Ange Peterson
Director, Advising .................................................................... Judy Boyle
Director, Business Affairs ...................................................... Jim Moriarity
Assoc. Dir, Academic Support Services ..................................... Vicky Matthews
Director, Communications .................................................... Karen Jans
Coordinator, Web Administrator ............................................ Tony Recascino
Senior Art Specialist, Mary ..................................................... Lou Wade
Assoc. Director, Head of Partnership Library Services ............. Mem Stahley
Coordinator, Computer Technology ........................................ Kirk Henry

Central Region
(UCF at Downtown)
Asst. Vice President, Central Region ......................................... David Mealar
Coordinator, Ed Media/TV ....................................................... Jim Weaver

Eastern Region
(UCF at Daytona Beach, UCF at Heathrow, UCF at Sanford/Lake Mary)
Asst. Vice President, Eastern Region ......................................... Bernard Jensen
Director, Eastern Region .......................................................... David Lane
Asst. Director, Acad. Support Services .................................... TBA
Coordinator, Admissions ....................................................... Sherry Newble-Dunn
Coordinator, Financial Aid ..................................................... Charlene Driver
Coordinator, Acad. Support Services ...................................... Learni Davis
Coordinator, Acad. Support Services ...................................... Darryl Grelley
Coordinator, Acad. Support Services ...................................... Cindi Thomas
Coordinator, Acad. Support Services ...................................... John King
Coordinator, Acad. Support Services ...................................... Sheila Schagen
Coordinator, Ed Media/Communication .................................... TBA

Southern Region
(UCF at Cocoa, UCF at Palm Bay)
Assoc. Vice President, Southern Region .................................... James A. Drake
Director, Southern Region ..................................................... Lauren Miller

Western Region
(UCF at MetroWest, UCF at Ocala, UCF at Osceola, UCF at South Orlando, UCF at South Lake)
Asst. Vice President, Western Region ....................................... Cecelia Rivers
Director, Western Region ....................................................... Edgar Martinez
Coordinator, Admissions ....................................................... Christie Passin
Coordinator, Acad. Support Services ....................................... Tanya Armstrong
Coordinator, Acad. Support Services ....................................... Selena Forrester
Coordinator, Acad. Support Services ....................................... Kathy Halliwell
Coordinator, Acad. Support Services ....................................... Robin Tinsley
Coordinator, Ed Media/Communication .................................... TBA

UCF at Cocoa
(321) 433-7821
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (Supervision & Administration or Industrial Operations Track) (B.A.S.) Office of Undergraduate Studies
Business Administration (B.A.B.A) College of Business Administration
Communicative Disorders (B.A., B.S.) College of Health and Public Affairs
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education
Engineering Technology – Operations (B.S.E.T.) College of Engineering and Computer Science
Exceptional Student Education (B.S.) College of Education
History (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Liberal Studies (B.A., B.S.) College of Undergraduate Studies
Nursing (B.S.N., R.N. to B.S.N.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences
Pre-Engineering/Engineering (BCC-UCF Joint Program B.S.E.) College of Engineering and Computer Science
Psychology (B.A., B.S.) College of Sciences
Sociology (B.A.) College of Sciences

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

Graduate Degree Programs
Business Administration (P.M.B.A.)* College of Business Administration
Criminal Justice (M.S.) College of Health and Public Affairs
Education Leadership (M.Ed.) College of Education
Engineering FEEDS/ITV (M.S.) College of Engineering
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science
Public Administration (M.P.A.) College of Health and Public Affairs
Reading Education (M.Ed.) College of Education
*Served in association with the Executive Development Center of the College of Business Administration.
UNIVERSITY OF CENTRAL FLORIDA

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Organizational Communication  
Political Science  
Psychology  
Social Sciences – Interdisciplinary  
Sociology  

Graduate Degree Programs  
Health Sciences: Health Services Administration (M.A.)  
College of Health and Public Affairs  
(407) 328-2471  
(In partnership with Seminole Community College)  

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

Undergraduate Degree Programs  
Applied Science (Supervision & Administration Track) (B.A.S.) Office of Undergraduate Studies  
Business Administration (B.A.B.A.) College of Business Administration  
Criminal Justice (B.A., B.S.) College of Health and Public Affairs  
Elementary Education (B.S.) College of Education  
Legal Studies (B.A., B.S.) College of Health and Public Affairs  
Liberal Studies (B.A., B.S.) Office of Undergraduate Studies  
Psychology (B.A.) 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  
Women’s Studies  

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

Undergraduate Degree Programs  
Business Administration (B.A.B.A.) College of Business Administration  
Early Childhood Education (B.S.) College of Education  
Elementary Education (B.S.) College of Education  
Liberal Studies (B.A.) (Very limited in scope. Please see an advisor.) Office of Undergraduate Studies  
Psychology (B.A.) College of Sciences  
Sports and Fitness (B.S.) College of Education  

UCF at South Orlando  
(407) 856-6885  
7300 Lake Ellenor Drive, Orlando, FL 32809  
This location provides course work (junior and senior level) contributing to undergraduate degrees. Please check the schedule for course offerings.  

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

The following UCF Regional Campus Minors are available completely (but not exclusively) on the web:  
English – Writing  
Health Services Administration  
History  
Legal Studies  
Political Science  

Psychology  
Social Sciences – Interdisciplinary  
Sociology  

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 activities, combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”  
The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment conducive to the location of research-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.  
The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.  
Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.  

Endowed Chairs  
Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.  
Phillips-Schenck Chair in American Private Enterprise: Created in 1988 to support the work of an internationally recognized scholar in American private enterprise. 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 1989 to attract a nationally or internationally prominent expert in community arts. Chair: Robin W. Roberts.  
Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: William Fisher.  
SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. Chair: Stanley Smith.  
Al and Nancy Burnett Eminent Scholar Chair in Accounting: Created in 1989 to support an exceptional faculty member in the School of Accounting. Chair: Robert W. Roberts.  
Bert Fish Memorial Eminent Scholar Chair: Created in 1990 to
establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushy.

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

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: Abraham Pizam.

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 Peeples Eminent Scholar Chair in Destination Marketing: Created in 2002 to support the teaching and research of an internationally recognized scholar in destination marketing. Chair: Mildred W. Coyle.

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

Department/Orlando Sport Business Management Endowed Scholarship: 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.

Orange County Eminent Scholar: 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 services for the Institute for Economic Competitiveness, College of Business Administration. Chair: TBA.

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

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

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

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

University Ombuds Office
The Office of the Ombuds Officer provides members of the University community 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, offer suggestion and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies
Vice-Provost and Dean: John F. Schell; MH 311, 407-823-4197
The Office of Undergraduate Studies supports the colleges 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 experi-
Information Technologies and Resources

Vice Provost: Joel L. Hartman, MH 350, Phone 407-823-6778
http://reach.ucf.edu/ir

The Division of Information Technologies and Resources has University-wide responsibility for planning, implementation, and support of information technology resources. Units within the Division include the Library, Computer Services, Teledata Services, 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
http://library.ucf.edu
Director of University Libraries: Barry B. Baker
LR 512; 407-823-2552
Associate Director for Administrative Services: Frank R. Allen
LR 512; 407-823-2564
Associate Director for Public Services: Margaret K. Scharf
LR 512; 407-823-2564
Associate Director for Collections and Technical Services: Jeannette A. Ward
LR 502; 407-823-2575
Assistant Director for Systems and Technology: Selma K. Jaskowski
LR 512; 407-823-5444


University Libraries offers a variety of information resources and services. An extensive print resource collection includes 1.6 million volumes, 16,500 journal subscriptions, 2.9 million microforms and 40,000 media titles. The libraries’ rapidly growing electronic resources include 362 databases, 45,000 e-books, and 9,200 electronic journals. The library is a partial depository for United States and Florida government publications.

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 200 computer workstations are available for public use on all floors of the main campus library, including 35 laptops equipped with wireless cards that 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 Library’s electronic resources and to the Internet from anywhere in the main library building. The Library also has two classrooms outfitted with 41 computer workstations for hands-on instruction in the use of electronic resources.

WebLUIS, the Library’s web-based catalog, can be accessed from any public or home PC. WebLUIS also offers a gateway to hundreds of electronic databases, the catalogs of other state university libraries and the community college system libraries. For help and advice in the use of the Library and its materials, the Reference Desk is open during most library hours. Librarians are on duty for assistance with selection and use of online and traditional resources, and individual appointments can be made for in-depth research consultation. http://library.ucf.edu/askLib connects students with Ask a Librarian, where questions are submitted and answered in a real-time chat session, by email, or by telephone at (407) 823-2562, or toll-free at (866)271-7589.

The Interlibrary Loan and Document Delivery Services Department (ILL) assists students in obtaining materials not owned by the UCF Libraries, but are owned by other libraries worldwide. Most book loans and photocopied materials can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ILL, and at the ILL Office (Room 221). For more information, call (407) 823-2383 during office hours, or visit the ILL Web site.

Services are provided for people with disabilities. By using WebLUIS, students can determine the availability of needed books and telephone the Library to request that book’s materials be retrieved from the shelves and held for them at the circulation desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading machine. In collaboration with the University’s Office of Student Disability Services and the Florida Bureau of Blind Services, the library staff will assist students in the use of equipment and software needed to use library resources.

Primary source material includes books, manuscripts, historic public records, ephemera, photographs, and art. The Libraries’ digitization projects continue to make more of these exciting and unique materials available on the World Wide Web. The Libraries partners with other university libraries and local institutions in Central Florida Memory, Florida Heritage, and similar projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of the University Library, is located in the Education Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. The facility serves primarily the students and faculty of the College of Education (COE), however 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 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 School, 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 WebLUIS and most of the services and resources provided by the main campus library. For additional information, call: (407) 903-8100.

Additional library collections are available at the Brevard Community College/UCF Joint-Use Libraries in Cocoa and Palm Bay, the Daytona Beach Community College Joint-Use Library in Daytona Beach and the UCF Southlake (Clermont) Joint-Use Library. The university partners with local community colleges to provide complete information services, including materials processing and check-out at these regional sites. All locations have electronic access to WebLUIS and to University resources on the Web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional campus sites. For more information see the web site at http://library.ucf.edu/locations.htm

Office of Instructional Resources

Director: Ruth Marshall; 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 administrators, faculty, and staff with multimedia design and production, digital imaging, webcasting, ISDN video conferencing and ITV course origination. OIR's Interactive Video Classroom (CL1 202) provides multimedia production and training resources for faculty using Macintosh and Windows personal computer systems. OIR’s Interactive Video Classroom (CL1 320) is used for videoconferencing and ITV course origination. The room also provides faculty with an excellent location for training in ITV production and delivery skills. OIR also supports more than 340 advanced multimedia classroom and eight interactive video origination classrooms located throughout the campus and our Regional Campus locations.

OIR provides UCF with a full array of distributed-learning delivery systems, including an interactive video network that serves eight rooms on the Orlando campus; UCF Downtown; UCF at Daytona, UCF at Cocoa, UCF at Palm Bay, UCF at MetroWest (Valencia), UCF at South Lake (Clermont), UCF at Kennedy Space Center, UCF at South Lake (Clermont), UCF at Kennedy Space Center, UCF...
at South Orlando, and other regional locations. OIR provides cable television delivery on the Orlando campus, ISDN and IP-based videconferencing equipment and services.

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

Course Development and Web Services (CDWS) is responsible for supporting UCF’s institutionally-sponsored online programs such as online learning (http://online.ucf.edu), the main Web site (http://www.ucf.edu), 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 initiatives identified as priorities for support through an institutional planning process. Examples of faculty development include IDL6543 (http://reach.ucf.edu/~idl6543), ADL5000 (http://reach.ucf.edu/~adl5000), and Essentials (http://reach.ucf.edu/~essentials). CDWS offers support for students taking online courses through the Teaching Online Web site (http://teama.ucf.edu), and offers support for faculty through the Teaching Online Web site.

CDWS sponsors events, professional development opportunities, and research and development activities through the Partnership for the Advancement of Distributed Learning located in the Partnership II building in UCF’s Research Park. CDWS recruits talented students regularly to work on a variety of multimedia projects that support UCF’s mission. CDWS TechRangerSM Team produces Web sites for colleges and hosts TechTime events.

Intercollegiate Athletics
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 the Atlantic Sun Conference, and competes in the Mid-American Conference for football. Intercollegiate athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF’s current intercollegiate sports for men include baseball, basketball, cross country, golf, football, soccer, and tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certifi- cate-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, either complete or graduate from their programs. The freshman retention rate for Fall 2004 students is 83 percent. The information is public and available for review in the UCF Library.

UCF Arena
The UCF Arena is an indoor, multipurpose facility that opened in August of 1991. The Arena is host to a variety of campus events, including commencement ceremonies, men’s and women’s basketball games, volleyball games, concerts and lectures. Please visit our website at www.arena.ucf.edu. For event or rental information, call 407-823-3070.

University Bookstore
The UCF Bookstore, a Barnes and Noble College division bookstore, located at the John T. Millican Hall Information Booth, is the text book and course material destination. It offers a complete line of UCF clothing, logo gift items, convenience and snack items, as well as a full service Starbucks cafe. Operating hours when classes are in session are, Monday through Thursday 8:00 a.m. to 7:00 p.m., Friday 8:00 a.m. to 5:00 p.m., and Saturday 10:00 a.m. to 2:00 p.m. For more information call 407-823-2665 or visit the website at http://ucf.bkstore.com.

Transit Services
Through joint efforts of UCF, LYNX and the University/Alafaya Corridor Transportation Association (UACTA), UCF, students, faculty, and staff have a number of transit options. Three LYNX bus routes serve UCF from Oviedo, Downtown Orlando, and Valencia Community College East campus. Through the use of these routes, commuters can connect to most anywhere in Greater Orlando. These buses normally operate at 30 to 60 minute intervals. The cost to ride LYNX is $1.25 per ride. Special passes are available at discounted rates. Route maps may be obtained at the Millican Hall Information Booth or by calling UACTA at 407-658-8492, or LYNX at 407-841-8240.

The Orlando-UCF Shakespeare Festival
The Orlando-UCF Shakespeare Festival is Central Florida’s classical theater, presenting professional artists in a variety of world-class plays. An Equity company, the Festival presents a 6-play Signature Series of Shakespeare and other works; a Theater for Young Audiences Series; PLAYFEST; the Orlando Festival of New Plays; and innovative educational programming that includes “The Young Company”, “Shakespeare Alive”, and Shakesperience”. Performances are presented at two theaters in the Lowndes Shakespeare Center and in the amphitheater at Orlando’s Lake Eola Park.

In its sixteenth season, the Festival has achieved a position of national recognition, attracting artists from across the country. The Festival has been featured in such national publications as The New York Times, Southern Living, Theater Week, Backstage and Southern Theater. Internships and independent studies for UCF students and alumni are available with the Festival in many departments. For more information, contact Artistic Director, Jim Helsinger, 812 E. Rollins St., Suite 100, Orlando FL 32803, 407/447-17, Fax 407/447-1701.

The UCF Alumni Association
The University of Central Florida Alumni Association develops and maintains alumni awareness and support of the university. While alumni comprise the core member group, membership in the UCF Alumni Association is available during all phases of UCF life. Children up to age 12 can have fun through the Junior Jousters Program. UCF students can join 4EVER KNIGHTS, offering them valuable interaction with alumni. Parents of UCF students can stay connected through Parent Memberships.

Membership in one of the UCF Alumni Association programs provides many benefits, including:
- Money-saving benefits, discounts, and services from buying UCF logo merchandise to saving money on auto, home or health insurance.
- Social and networking opportunities at Networking Knights, AlumKnight Outs, cultural events, pre-game events, KnightFest, community volunteer projects, travel getaways and road trips.
- Career assistance through a partnership with UCF Career Services & Experiential Learning with free access to the GOLD Connection, including job listings and on-campus recruiting.
- Access to UCF facilities such as the Recreation and Wellness Center, the UCF Library, and the UCF Student Union (great for weddings or meetings).
- Timely information via Pegasus, the award-winning alumni magazine (mailed 6 times per year), the Inside Scoop e-newsletter and access to member-only areas of www.ucfalumni.com, our Web site.

The UCF Alumni Association, offers many volunteer opportunities and awards more than $40,000 in scholarships to eligible students every year. To join, or for more information, stop by the UCF Alumni Association located in the Research Pavilion, 12424 Research Parkway, Suite 301; call 407-UCF-ALUM (823-2588); toll-free (800) 330-ALUM; or connect anytime at www.ucfalumni.com.

UCF Foundation, Incorporated
The UCF Foundation, Incorporated is a non-profit, tax-exempt corpo-ration 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.
Office of the Vice President for Marketing, Communications, and Admissions

Vice President for Marketing, Communications and Admissions:
Thomas Huddleston, Jr., Millican Hall, 210; 407-823-2232

Purpose Statement
Create, coordinate and deliver strategic communications and quality enrollment that add value to the university.

Overview
The division of the Vice President for Marketing, Communications, and Admissions coordinates and directs the functions of the university most directly responsible for establishing, originating and disseminating positive, targeted communications developed to enhance and forward the university’s prominence, achievements, identity and value to its diverse constituencies. This value is defined not only in geographic terms, encompassing international, national, state and local audiences, but in terms of defined audiences ranging from prospective students, staff, faculty and corporate partnerships to the communities the university serves and its stakeholders.

The division unifies the activities of University Marketing, News and Information, and Undergraduate Admissions. In this collective, the shared goal of enriching the momentum and impact of UCF’s marketing communications is grounded in the belief that successful communications programs are the result of collaborations and relationship-building efforts. The vision of the division is to integrate and publicize the entrepreneurial achievements of the sources and providers of the UCF experience, campuswide—in academics, research, civic and corporate outreach, service and community involvement—and by doing so to enhance UCF’s reputation as a major research institution and to better tell our success story to our key constituents and prospective students.

This mission, the enrichment of the university’s image and brand identity in terms of audience-specific recognition, encompasses the reach, frequency and continuity of the message. The division is responsible for developing and implementing strategy, programs to communicate UCF’s advantages in academics, campus life, research, corporate partnerships and individual college capabilities; positioning platforms, copy platforms and design, and production of publications and multimedia tools to achieve its mission.

The division is committed to achieving the highest possible competitive advantage for the university. This will be measured not simply in terms of quantity or even quality of the communications the division produces, but on the increasing awareness of and positive associations with the university’s diverse constituencies.

Undergraduate Admissions
Assistant Vice President: Gordon D. Chavis, Jr., J.D.;
Progress Energy University Welcome Center
407-823-3000; email: admission@mail.ucf.edu;
http://www.admissions.sdes.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.

The office administers several programs for prospective students and parents, including daily tours and information sessions, open house events, area receptions, and high school and community college visits by the admissions staff. We also provide students with the opportunity to meet one-on-one with an admission representative on campus. Please contact the office at 407-823-3000 or visit our website for further information. Office hours are:
Monday/Thursday 9:00 a.m. to 7:00 p.m.,
Tuesday/Wednesday/ Friday 9:00 a.m. to 5:00 p.m

Student Financial Assistance
Executive Director: Mary H. McKinney
MH 120
http://finaid.ucf.edu

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 email is limited.

Student Outreach Programs
Director: Rhonda C. Hall; OTC 600;
407-823-5580
http://www.reachout.sdes.ucf.edu

The primary mission of Student Outreach Programs is to attract, motivate, and prepare select underrepresented student groups 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.

A myriad of pre-collegiate programs are administered by Student Outreach. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the success skills of students in grades 6-12. The UCF McKnight Center of Excellence offers direct access to community-based programs for students at every grade level. Community partnerships help to identify potential students, offer volunteer support and make significant contributions to support program goals and objectives.

Throughout the year, workshops, seminars and other activities and events are sponsored to support the student’s personal development and academic achievement. Students are invited to the UCF campus throughout the year, and may also participate in summer programs that provide an early introduction to college life and which equip students with unique approaches to attain college preparedness.
Division of Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services:
Maribeth Ehasz, MH 282; 407-823-2226
http://www.sdes.ucf.edu

Introduction
The Division of Student Development and Enrollment Services (SDES) is an integral part of the University of Central Florida. Reporting to the provost, SDES is responsible for the administration and management of programs, services, facilities, and activities designed to support learning both inside and outside the classroom.

The division is committed to providing an integrated program of opportunities that emphasizes key transitions, student and academic support services, and personal growth. Some of these include: orientation, first year academic advising, academic exploration, registration, multicultural services, personal counseling, housing and residence life, health services, career development, the student union, recreation services, student activities and organizations, tutoring, learning assistance, and leadership development.

Key values that guide our conduct, performance, and decisions are outlined in "The UCF Creed." They are integrity, scholarship, community, creativity, and excellence. We are committed to collaborate and partner with other academic and administrative units to create a meaningful and rewarding collegiate experience for all students.

The division is comprised of four main areas: Academic Development and Retention, Campus Life, Administrative Services, and Assessment and Planning. Together, we strive to measure our success by student persistence, quality service, and exceptional learning.

Academic Development and Retention
Associate Vice President: Mark Allen Poisel; MH 282

The Unit of Academic Development and Retention facilitates successful student transitions and experiences by providing the foundation and support for their academic, personal and career success.

Academic Services for Student-Athletes (ASSA)
Director: Mark Gumble; WDSC 110, SABRE Centre; 407-823-5895
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 and tutorial services;
- Leading 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 resources and services.
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.

**National Consortium for Academics and Sports (NCAS)**

Director: Suzi Katz; WDSC 110; 407-823-5243

http://www.ncasse.org

The mission of the National Consortium for Academics and Sports 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 in the Central Florida community. The NCAS reaches this mission by building partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports website at www.ncasports.org.

**Student Success Center**

Assistant Vice President, DeLaïne Priest; PH 216; 407-823-2137; http://ssc.sdes.ucf.edu

The Student Success Center provides seamless articulation, programs and services that support, motivate, and encourage first year students to more effectively transition into their new UCF environment while minimizing threats to their success. This unit, comprised of the offices of First Year Advising and Exploration, Multicultural Academic Support Services, Student Academic Resource Center, Transfer and Transition Services, and the University Testing Center, offers academic advising, learning support services, outreach, collaboration, and coordination. For more information, visit Student Success Center’s website at http://ssc.sdes.ucf.edu.

**Academic Exploration Program (AEP)**

407-823-5322; 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 assess, explore, plan, and decide 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 is also available to first year students who are unsure about their major choice and to those changing their majors. For more information, visit the AEP website at http://aep.sdes.ucf.edu.

**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, small group advising sessions, outreach programs, email and phone communication, and individual appointments. 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 off-campus facilities. FYAE also offers academic advising at a 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. For further information, visit Howard Phillips Hall, room 116, or the FYAE website at http://firstyear.sdes.ucf.edu.

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

Interim Director: Terry Exum; 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 African American, Hispanic American, Asian American and Native American students. MASS offers personalized advising and support; monitors academic progress; sponsors a six week summer program, Seizing Opportunities for Achievement and Retention (SOAR); and designs and coordinates cultural and social activities to assist multicultural students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural students at UCF.

**Student Academic Resource Center (SARC)**

Interim Director: Terry Exum; PH 113; 407-823-5130

www.sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Some of these programs include: Supplemental Instruction, tutoring, academic advising, testing services and learning enhancement 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, chemistry. Spanish, economics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 36 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 portions of the College Level Academic Skills Test (CLAST) and General Knowledge exam. Computer-assisted learning programs are also available for the GRE, GMAT, and CLAST exams.

SARC’s professional academic advisors provide support for students in the Pegasus Success Program and the College Achievement Program (CAP).

A learning skills counselor is also available for students who need study skills advice or those who wish to enhance their educational experience. For additional information, visit the Student Academic Resource Center website at http://sarc.sdes.ucf.edu.

**University Testing Center (UTC)**

Assistant Director, Rebecca Piety; PH 107; 407-823-5109

www.sarc.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 Entrance Examination Board Placement Test (CPT); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); Institutional Academic College Test (ACT); and College Level Examination Program (CLEP). UTC also administers the following national exams:

- Law School Admissions Test (LSAT)
- Medical College Admissions test (MCAT)
- Florida Teachers Certification Examination (FTCE)

For additional information, visit the following website www.sarc.sdes.ucf.edu.

**Transfer and Transition Services**

Director: Charlene A. Sinard; PH 221; 407-823-2231

http://transfer.sdes.ucf.edu

The Office of Transfer and Transition Services has been organized to help transfer students make a seamless transition so that they have 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;
- Advising for transfer students who are undeclared majors, undecided, or changing majors;
Division Of Student Development And Enrollment Services

- Current information about university programs and policies including entrance and exit requirements;
- Assistance in resolving issues once students have transferred;
- Transition advising services for FTICs with 45+ credit hours, currently enrolled sophomores, juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities;
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions;

For more information, visit the Transfer and Transition Services website at http://transfer.sdes.ucf.edu.

Orientation Services
Director: Joe Ritchie; PH 218; 407-823-5105
www.orientation.sdes.ucf.edu

The orientation program (combining pre-enrollment orientation with extended first year transition programs for academic credit) 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 and get further information by visiting the Orientation Services website at http://orientation.sdes.ucf.edu

Career Services & Experiential Learning (CSEL)
Executive Director, Melanie Parker; FC; 407-823-2361 (Career Services) 407-823-2667 (Experiential Learning)
http://www.csel.ucf.edu

Career Services & Experiential Learning (CSEL) offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career and experiential learning specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development and applied learning experiences to include:

- Major and Career Choices
- Academic and Career Information
- Experiential Learning Opportunities (Co-op, Internships, Service Learning)
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information

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

Counselling Center
Director: TBA.; CC: 407-823-2811
http://www.counseling.sdes.ucf.edu

The Counseling Center serves UCF enrolled students who seek assistance with developmental and 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 comprised of a professional staff of licensed (or license-eligible) psychologists, mental health counselors and social workers who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday. Services offered by the Center include:

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention
- Couples Counseling
- Professional Consultation
- Outreach and Presentations
- Referral

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

Registrar's Office
University Registrar: Dennis J. Dulniak; MH 161 407-823-3100
Registration HelpLine: 407-823-3533
E-mail: registrar@mail.ucf.edu; website: 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 meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. The Registrar's Office is responsible for management and publication of course offerings, the Undergraduate Catalog, online Schedule Web Guide, the efficient utilization of classroom resources, residency reclassifications, student veteran services, and Commencements.

Veteran Services
Assistant University Registrar: H. Lee Parker; MH 161; 407-823-2707; http://www.va.sdes.ucf.edu

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

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures VA educational benefits. A copy of the "Student Veteran Handbook" can be obtained on the Veteran Services web site.

UCF, being a member of SOC (Service Members Opportunity College) provides credit for 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. In addition, no credit is awarded for Basic Military Training. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military records. 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 UTSA federal of tuition and fees. The VA Defers 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 three-quarter 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 with Veterans Services for Summer term course load requirements.

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veteran 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 Veteran 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 have been completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

Student Disability Services (SDS)
Director: Philip Kalfin; FC 132; 407-823-2371
http://www.sds.sdes.ucf.edu

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

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

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

After admission to the University, students who have a disability that may require disability accommodations must contact Student Disability Services for an intake interview to be eligible to receive disability accommodations. The student will be required to provide disability documentation during the intake interview at Student Disability Services. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTY/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

Administrative Services
Associate Vice President: Sharon Ekern; MH 282; 407-823-3165
http://www.admin.sdes.ucf.edu

Budgets and Personnel Support
Director: David L. Pavlounis; MH 282; 407-823-1045
http://www.asfbusinessoffice.ucf.edu

Activity and Service Fee Business Office
Director: Jose Sciarro; SU 215; 407-823-5548
http://www.asfbusinessoffice.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 41 computer stations available and is the only lab that provides FREE printing to currently student. The only lab that provides FREE printing to currently student FREE of charge.

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement 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 Alcohol/Drug Policy, visit www.goldenrule.sdes.ucf.edu/14_Drug-Free.html.

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 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 and graduate students. The school enrolls children of University students, faculty, and staff. Operating hours are 7:45 a.m. to 5:15 p.m., Monday through Friday.

REACH Health and Peer Education Program
Coordinator: Keri Nola; LS 716; 407-823-5457

The REACH Health and Peer Education Program provides a wide array of programs, activities, classes, and events designed to give students the current information they need to make low risk and responsible choices concerning college health related issues. Professional peer health educators encourage healthy living and lifestyle choices. Services at REACH include HIV/Aids confidential and anonymous needle free testing, which includes pre and post test counseling, a sexual health risk assessment and education. We also offer a three hour elective credit course, HLP 2701, which is full of fun and useful information, and can lead to becoming a paid "peer educator." Additionally, the ADAPT (Alcohol and Drug Awareness Prevention Training) class is available for students who have violated campus alcohol and other drug policies and/or have gotten into alcohol and other drug difficulty with law enforcement. We strive to help students make the most of their college experience.

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
Division Of Student Development And Enrollment Services

Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.

Campus Life
Associate Vice President: Craig E. Ullo; SU 304; 407-823-2626
http://www.campuslife.sdes.ucf.edu

The Campus Life unit develops partnerships to provide meaningful programs, quality services, and personal growth opportunities for students in learning environments. Campus Life promotes personal excellence, healthy lifestyles, leadership development, and community responsibility. Departments in Campus Life include: Student Leadership Programs, LEAD Scholars Program, Greek Affairs, Office of Student Involvement, Campus Faiths and Ministries, Student Union, Recreation and Wellness Center and Intramural Sports, Student Rights and Responsibilities, Student Conduct, Dispute Resolution Services, Student Legal Services, Student Health Services, Housing and Residence Life, LINK First Year Experience, Affiliated Housing, Creative School for Children, Multicultural Academic and Support Services, Rosen College of Hospitality Management Campus Life, Off-Campus Student Services and Regional Campuses.

Housing and Residence Life
Director: Christi Hartzler; HAB 101; 407-823-4663
http://www.housing.ucf.edu

Regularly enrolled single students paying registration fees for a minimum of nine semester hours may apply for on-campus University-owned housing. The residential communities- Apollo, Libra, Lake Claire Courtyard Apartments, Nike, Hercules, and the Convocation Center Apartments- house approximately 4,300 students. On-campus residence halls offer double occupancy rooms with a shared bath in suite-style configurations. Single rooms with shared bath are available in the apartment facilities. Because of the limited amount of space, the University does not have a mandatory housing requirement. No on-campus accommodations are available for families or married couples. Apartment-style housing is available at the Rosen College of Hospitality Management. Hospitality Management majors who attend classes at the Rosen College may utilize the 392 bed facility that is adjacent to the college.

Approximately 3,100 beds are reserved for new, incoming freshmen in specific facilities. Current residents occupy most of the remaining space. Applications for housing can be accepted only from those who have been admitted into the University. Therefore, those desiring to reside on campus should apply for admission to the University as soon as possible. On-campus housing cannot be offered to all freshmen due to limited capacity.

Priority for room assignment for a new applicant is based on the date of receipt of the completed housing application. Applicants should read the housing application carefully before submitting the completed application with the appropriate pre-payment to the Department of Housing and Residence Life.

The housing academic term contract, when issued for the fall semester, is a two-semester obligation (fall and spring semesters). Summer session contracts are for the summer only and do not extend to include the fall semester. The Rosen College of Hospitality Management and the Convocation Center Apartments are annual contracts. Housing applications and other housing information are available by contacting the Department of Housing and Residence Life. UCF PO Box 163222, Orlando, Florida, 32816-3222. Phone: 407-823-4663 (UCF-HOME). Fax: 407-823-3831. Web site: www.housing.ucf.edu.

Applicants have the option of choosing one of several University meal plans. Specific information concerning University meal plans is available from UCF Dining Services, UCF PO Box 168017, Orlando, Florida, 32816. Web site: www.ucfdining.com.

Fraternity and Sorority Life
Interim 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 both students and the University community. This office fosters and promotes the development of national fraternities and sororities by providing advice, 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 sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, college alumni boards, and organizational 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).

Sorority or fraternity life can offer students a “home away from home,” a source of job contacts, a scholastic support system, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. Currently, 43 fraternities and sororities involve more than 3,100 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 System through a personalized orientation and recruitment. The Interfraternity Council and Panhellenic Council sponsor “Recruitment” or “Rush,” which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors Meet the Greeks and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups comprising that governing body. Whether or not 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 life at the University of Central Florida. Learn more about fraternities and sororities by visiting our website at: http://www.greeklife.sdes.ucf.edu.

LINK - First Year Experience Program
Assistant Director of Housing and Residence Life: Jeff Novak
Jaclyn Bayer; Coordinator
Academic Village, Nike Community Office; 407-882-LINK, www.linc.ucf.edu

Learning and Interacting with New Knights (LINK) is a first-year experience program designed to assist first-time-in-college students with their transition to UCF by connecting them to the campus community through educational programming and activities. The main focus of the LINK Program is to get New Knights out having fun, meeting people, and getting connected to UCF. Through LINK, New Knights will be exposed to experiences that will enhance their academic experience and overall success and satisfaction at UCF.

The LINK Program works with various UCF student support departments and programs to identify educational programs that New Knights should be participating in throughout their first year. 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 also is the first-year experience program designed to assist first-time-in-college students with their transition to UCF. The LINK Program is held at the end of each fall and spring semester. A complete list of prizes is located on the LINK website at: www.linc.ucf.edu.

Off-Campus Student Services (OCSS)
Assistant Vice President and Director: Jimmy Watson; HAB 101; 407-823-6505; http://www.housing.ucf.edu/ocss

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

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

**UCF Regional Student Services**

Assistant Vice-President and Director: A.J. Range  
PH 221; 407-823-3867  
Interim Director, Southeastern Region Campus Life: Jim Smith  
Director, Eastern Region Campus Life: Diana L. Weidman

The UCF Southern Region (Cocoa: 321-433-7950 or 321-433-7811) and UCF Eastern Region (Daytona: 386-255-7423) Campus Life offices provide student services at the regional campuses, including: transfer and virtual orientation, career services, veteran services, international student services, and accommodation services for students with disabilities. In addition, the offices provide programming and assistance to clubs and organizations as well as various standardized test information.

**Student Government**

Assistant Directors of OSI/SGA Advisors: Shane Jungtunen & Christa Coffey; SU 214; 407-823-2191  
http://www.sga.ucf.edu

Student Government’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, Student Government also provides numerous services that affect student life. These services currently include computer labs, discount tickets to movie theaters and theme parks, free local calling on campus telephones, funding for legal services, recreational services and Campus Activities Board programming. Money allocated by Student Government for these services comes from activity and service fees that students pay during registration. Additionally, UCF clubs and organizations may receive funding for events, projects and travel to conventions. SG coordinates its efforts with the Florida Student Association in lobbying for students’ rights on local, state and national government levels.

Student Government’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, composed of the Student Body President, Vice President, and staff, oversees the daily administrative operation of Student Government. The legislative branch funds campus clubs and organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in Student Government. For information outlining how to become involved with SG or how your club or organization can receive funding, contact the Student Government Association offices.

**Health Services**

Director: Robert Faust; 407-823-2701  
http://www.shs.ucf.edu

Recognizing the importance of lifestyle in health and the prevention of disease, Student Health Services combines quality care for illness and accidents with an aggressive health education and lifestyle enhancement program. A Student Wellness Advocate Team (SWAT) enhances the health promotion efforts of the Wellness Center.

The Student Health Center is staffed by physicians, advanced registered nurse practitioners, physician assistants, registered nurses, pharmacists, and a full complement of other medical support personnel. Full referral service to Orlando specialists is established.

Each health fee paying student is entitled to the benefits provided through Student Health Services, which are outlined in printed material available from the Student Health Center or on its website, www.shs.ucf.edu. Most office consultations and programs are provided without additional costs. Laboratory tests, x-rays, medications, and some supplies require additional but significantly reduced payments, which may be made with cash, credit card, personal check, or charged to the student’s account.

Optional health and accident insurance may be purchased by response to the mailers or by contacting the Office of Student Development and Enrollment Services, Student Government, or the Health Center Business Office (at 407-823-2701). Please note that optional health and accident insurance is not part of the Student Health Services program, but is designed to provide for health coverage needs that are beyond the scope of Student Health Services, such as hospital referrals. Charges incurred outside the Student Health Center are the responsibility of the student.

Confidential testing for HIV (AIDS virus) is offered by the Student Health Center and a program for anonymous testing is available elsewhere by calling the REACH HIV AIDS Education Office at UCF-AIDS (407-823-2437). Information concerning these programs may be obtained through the Student Health Center (407-823-2701) during regular hours.

When the Student Health Center is closed, students may obtain information and help from the Health Center telephone message, its website (see above) or, if the situation is urgent, by calling the UCF Police Department.

**Student Leadership Programs**

Director: Gary Morgan-Muskim; SU 207; 407-823-2223  
http://www.slp.sdes.ucf.edu

Student Leadership Programs serves as an umbrella organization to address leadership education and development issues. It is composed of a team of four offices within Campus Life: LEAD Scholars Program, Greek Affairs, Rosen School Campus Life, and Campus Faiths and Ministries. The director of Student Leadership Programs provides administrative oversight.

The primary vision for the area is the development of an intentional and comprehensive leadership development program that targets specific groups and provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. The programs and activities will address both the short and long term developmental needs of students. Programs will vary in duration from a one-day workshop to an extended program that may involve weeks or months. The focus is to provide a variety of programmatic options that recognize students have different interests, time constraints, and levels of interest.

**LEAD Scholars Program**

Director: Gary Morgan; SU 208; 407-823-2223  
http://www.lead.sdes.ucf.edu

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

The general goal of the LEAD Scholars Program is to prepare students to be effective community 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 the five colleges of Arts and Sciences, Business Administration, Education, Engineering and Computer Science, and Health and Public Affairs. Each of these colleges hosts two credit Foundations of Leadership courses providing the primary means of facilitating the focus for study, advisement, and educational activities as it relates to leadership, academic excellence, and community service within the college. Although LEAD Scholars will identify with a particular college, the program is available to students deciding upon their major academic interest as well as those who have settled upon a major. Sophomore students may take a leadership practicum in lieu of a class.

This program enables 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 through a competitive process based on academic record, extracurricular and community activities, school recommendation, and 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.

**Rosen College of Hospitality Management Campus Life**

Director: Tony Perry  
9907 Universal Blvd., Suite 201L  
407-903-8072
Division Of Student Development And Enrollment Services

Student's campus life needs are met on the new Rosen College of Management Hospitality campus through the Student Administrative Services Office, Suite 201. Staffing and services provided through this office include: undergraduate and graduate student advising, student financial assistance, co-op planning and placement, career services, student club and organization support, student counseling, student disability services, off-campus student housing information, student activities programming guidance and support, and UCF Golden Rule interpretation.

Campus Faiths and Ministries

Director: Brad Crawford; RS 102; 407-823-5337
http://www.ucm.sdes.ucf.edu

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

Student Rights and Responsibilities

Assistant Vice President and Director: Patricia A. MacKown
FC 155; 407-823-6960; http://www.osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and University student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services.

Dispute Resolution Services

Coordinator: Patty Farris; FC 150; 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 within the student’s individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the University community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) as an advanced mediation techniques session. Mediation services are provided to 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.

Student Conduct

Assistant Director: Dana Juntunen
FC 154; 407-823-2851
http://www.osc.sdes.ucf.edu

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within the student handbook, The Golden Rule. 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 Office of Student Conduct annually publishes the student handbook, The Golden Rule, which contains more detailed information on student life. Copies may be obtained at SRC 154, or may be viewed on the web 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

Director: Patricia A. MacKown; FC 155; 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 Student Legal Services at 407-823-2538, or visit Student Resource Center Room 155. This service is by appointment only and no legal advice is given over the phone.

Office of Student Involvement

Director: Kerry Welch; SU 208; 407-823-6471
http://www.GetInvolvedUCF.com

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

Toward this end, the Office of Student Involvement staff members oversee the registration and management of almost 400 registered student organizations (RSOs) as well as directly advising and coordinating the following student groups: Campus Activities Board (CAB), Fraternity and Sorority Life, Homecoming, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

Recreation and Wellness Center

Director: William Ehling; RWC; 407-823-2408
http://www.rec.ucf.edu

The Recreation and Wellness Center offers cardiovascular training equipment, weight training equipment, group exercise rooms, basketball courts, an indoor track, sand volleyball courts, a swimming pool, and a climbing tower. The UCF Campus Wellness Center, also housed with RWC, sponsors a wide variety of health-related classes, lessons, and programs throughout the year. Playing fields and tennis courts adjacent to the building are available to students when not in use for scheduled events. The Recreation and Wellness Center is open to all students with a valid UCF ID. Memberships are available for non-students.

The Recreation and Wellness Center staff also operate the Lake Claire recreation area, located just north of Greek Row. Lake Claire offers picnic facilities, watercraft, and a nature trail. The facilities can be reserved for group activities by calling 407-823-5011.

Intramural Sports

Associate Director: Jim Wilkening; Recreation and Wellness Center; 407-823-2408; http://www.imsports.ucf.edu

The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, 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. To sign up for a team, as an individual, or for more information, visit http://www.imsports.ucf.edu or call 407-823-2408. Get involved and remember to take a little time each day to play.

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, Steak Escape, Uncle Al’s Famous Hotdogs, Subway, Sbarro, Baja Burrito Kitchen, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew along with a new restaurant to be announced later. Retail stores include Park Avenue CD’s, Greek Unique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Center, U.S. Postal Center, Kaplan Test Services, and ATM’s from SunTrust, Bank of America, and the UCF Credit Union. For information, call 407-823-0001.
Undergraduate Admissions

Assistant Vice President: Gordon D. Chavis, Jr., J.D.
Progress Energy University Welcome Center
407-823-3000; email: admission@mail.ucf.edu;
http://www.admissions.sdes.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 counselors. It also provides the opportunity to meet one-on-one with an admission counselor on campus. Please contact the office at 407-823-3000 or visit our website for further information. Office hours are: Monday/Thursday 9:00 a.m. to 7:00 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 (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 are encouraged and can be made by visiting our website at www.admissions.sdes.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Meetings with admissions counselors to discuss your particular concerns about admission to the University are available by appointment. You may contact the admissions office at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management. Please contact us at 407-903-8000 for further information.
Application for Admission
All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” and include the $30 in U.S. Currency, non-refundable application fee. Students may also apply online at our web site, http://www.admissions.sdes.ucf.edu. Students should apply several months in advance of an anticipated start date. Mail admission applications to Undergraduate Admissions Office, University of Central Florida, P.O. Box 160111, Orlando, FL 32816-0111. Questions concerning admission requirements and applications should be forwarded to the same address or by calling 407-823-3000.

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 are mailed at the time of admission to the University. Requests for housing are subsequently reviewed by date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes 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 10 days after the first day of classes.

Note: Furnishing false or fraudulent statements in connection with an application or an 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. 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 request and complete a reactivation form by the published application deadline date. This form is available in the Undergraduate Admissions Office, online, or by calling 407-823-3000. 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.

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 (DOE) 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 Scholastic Aptitude Test (SAT I) or from the American College Test (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, Advanced Placement (AP), (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

Applicant Eligibility
All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for 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 Scholastic Aptitude Test (SAT I) or American College Test (ACT);
   - written letter of recommendation from high school counselor or school district permission form;
   - 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 submit either the University of Central Florida Undergraduate Admissions Application or apply online at [http://www.admissions.sdes.ucf.edu/underapplink.asp](http://www.admissions.sdes.ucf.edu/underapplink.asp), 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 2.5, and must have a cumulative minimum GPA of 2.5 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.

### Admissions Application

Visit [http://admissions.ucf.edu](http://admissions.ucf.edu) to apply online.
Undergraduate Admissions

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 semester hours or 6 graduate semester 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.sdes.ucf.edu/underapplink.asp. 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 February 1 (for students abroad) and March 1 (for transfer students); for Spring semester, July 1 (for student abroad) and September 1 (for transfer students). The University does not accept admissions applications for Summer semester from F-1 and J-1 applicants from abroad or transferring from other U.S. institutions.

1. Submit the completed UCF admissions application form with the required $30.00 application fee (check or money order in U.S. currency). An online application is available on our web site at http://www.admissions.sdes.ucf.edu/underapplink.asp.

2. 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 of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.

3. 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 semester hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.

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

5. Results of the SAT or ACT will be required if the student has earned less than 60 semester hours of college credit.

6. 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, P.O. Box 28223
- World Education Services
- Coral Gables, FL 33124
- Old Chelsea Station, NY 10113-0745
- (305) 273-1616
- (212) 966-8311

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 with the Student Health Center 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 the Student Health Center. 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 withdraw 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 registration from 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.

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 that 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 Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

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

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

General Education Transfer Credits
Transfer students from 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 a baccalaureate honors degree requires the completion of a minimum of 48 semester 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
Millican Hall, Room 120
Switchboard: 407-823-2827
Appointment: 407-823-5285
Fax: 407-823-5241
E-mail: finaid@mail.ucf.edu
Web site: http://finaid.ucf.edu
Office Hours:
Monday: 9:00am - 7:00pm
Tuesday, Wednesday, Friday: 9:00am - 5:00pm
Thursday: 1:00pm - 7:00pm
(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 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 Deadline 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 deadline 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 Pell Grants, Stafford Loans, and PLUS Loans;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and 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 after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarship programs is available with diverse criteria. Please review the scholarship information on the Web site for specific deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at www.fafsa.ed.gov. A link is provided on the Web site and on My.UCF.edu
- 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 asked to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until verification is complete and all necessary corrections have been made.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid
- Students must be accepted and classified as degree seeking at UCF in an eligible program;
### Financial Information

**Estimated Cost of Attendance for 2006-2007**

<table>
<thead>
<tr>
<th>Living with Parent</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees</td>
<td>$3,282.00</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>$888.00</td>
</tr>
<tr>
<td>Room/Board</td>
<td>$4,454.00</td>
</tr>
<tr>
<td>Personal Exp.</td>
<td>$2,210.00</td>
</tr>
<tr>
<td>Transportation</td>
<td>$1,592.00</td>
</tr>
<tr>
<td><strong>Total (In State)</strong></td>
<td><strong>$12,426.00</strong></td>
</tr>
<tr>
<td><strong>Non resident Tuition/Fees</strong></td>
<td><strong>$12,868.00</strong></td>
</tr>
<tr>
<td><strong>Total (Out of State)</strong></td>
<td><strong>$25,294.00</strong></td>
</tr>
</tbody>
</table>

### Financial Aid Programs Available at UCF

Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the 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 are 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 with the office.

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 receive federal loans.

Federal Work Study is designed to provide students who demonstrate financial need a chance to earn money while pursuing a degree. Individual departments hire students while the Office of Student Financial Assistance determines the eligibility, award amount, and pay rate. Scholarships are awarded based on various criteria, including financial need, campus/community activities, leadership positions, academic success, and work experience. Scholarships are designed to reward, encourage, and assist students in pursuing academic excellence and leadership roles.

### Award Notification

Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Initial awards may be amended due to factors such as contingent 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 a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications. Eligible non-citizens include I-151, I-551, and I-688 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 computed on the FAFSA.

A male applicant must be registered with Selective Service, if applicable.

### 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 deadline 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.
Financial Information

<table>
<thead>
<tr>
<th>Financial Aid Program</th>
<th>Deadline</th>
<th>Minimum Credit Hrs. Required</th>
<th>Available to Graduate Students</th>
<th>Second Undergraduate Degree Seeking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Pell Grant</td>
<td>Before June 30 2005</td>
<td>Prorated based on hours</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Federal SEOG (Supplemental Educational Opportunity Grant)</td>
<td>March 1</td>
<td>12</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>UCF Grant</td>
<td>March 1</td>
<td>12</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FSAG (Florida Student Assistance Grants)</td>
<td>March 1</td>
<td>6</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Federal College Work Study</td>
<td>March 1</td>
<td>6</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FWEPC (Florida Work Experience Program)</td>
<td>Varies</td>
<td>6</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Federal Stafford Loan Program</td>
<td>Posted each term</td>
<td>6 at UCF in UCF classes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Federal Perkins Loans</td>
<td>March 1</td>
<td>6</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Scholarships</td>
<td>Varies year round</td>
<td>Varies</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Federal Unsubsidized Stafford Loans</td>
<td>Posted each term</td>
<td>6 at UCF in UCF classes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Federal Parent Loans for Undergraduate Students (PLUS)</td>
<td>Varies</td>
<td>6 at UCF</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**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 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 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 semester. When financial aid disbursements, the funds first apply towards university debts. The remaining balance is refunded to the student one of two ways. If a student has visited the SunTrust Bank on campus and has linked the account to the UCF Card, then the refund is deposited into the student’s 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 students fail 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 next page)


**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 above committee for reinstatement, at that time.

To appeal, the student must:
- Attach documentation supporting 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 only 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;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) during the school 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 an orphan or ward of the court (or were a ward of the court until age 18); or
- 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.)

Dual Enrollment

Students who have been approved to take classes at another institution 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 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 semester 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 theTransient Student Form;
- 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 UCF with academic transcripts, certifying that the attempted hours are completed. Transcripts or grades should also be submitted to the Office of Student Financial Assistance. 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 Office of Student Financial Assistance is required to notify lenders 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. The situation will be reviewed and a decision will be made through the Professional Judgment process.

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 Accounts Office

Associate Controller: Dan Mayo
MH 107; 407-823-2433

General Information

The Office of Student Accounts is here to serve the students who attend our university by maintaining accurate financial records and communicating with students concerning their accounts. The Student Accounts Office is responsible for:
- Tuition and Fee Assessment/Refunds (Student Accounts, MH107)
Financial Information

- Processing Payments (Cashier’s Office)
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees*
(www.iroffice.ucf.edu/character/current_tuition.html)

*Note: 2006-2007 tuition and fees had not been established at the time of this publication. Rates for the 2006-2007 academic year will be available in early July 2006. Fees are subject to change without notice.

Tuition and Fees: Tuition and fees are established by the state legislature and University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campus, and continuing education courses.

Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate at the course level for which the student is registered.

Fee Invoice: A printed fee invoice confirms fees and course registration. Fee invoices are available on the web (www.my.ucf.edu) and kiosks, and from the student's college advising offices. Students must obtain a current fee invoice prior to making payment at one of the payment locations. Fee invoices are not mailed.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid by the payment deadline date 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 will be charged a $100 Late Payment Fee, my records will be put on hold, my account will be referred to a collection agency, and I may incur other financial consequences."

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines specified 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.

Acceptable forms of payment:
Cash (Cashier's Office)
Checks (Cashier's Office, E-Pay, or Mail)
Credit cards (Cashier's Office, or E-Pay)

2005-2006 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matriculation Fee</td>
<td>Undergraduate</td>
<td>Graduate</td>
</tr>
<tr>
<td>$71.57</td>
<td>$201.54</td>
<td>$71.57</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$3.57</td>
<td>$10.07</td>
</tr>
<tr>
<td>Non-Res Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>UCF Athletic Fee</td>
<td>$11.09</td>
<td>$11.09</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
<td>$4.34</td>
<td>$4.34</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$104.70</td>
<td>$241.17</td>
</tr>
</tbody>
</table>

2005-2006 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
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<td>$11.09</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
<td>$4.34</td>
<td>$4.34</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$170.22</td>
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</tr>
<tr>
<td>TOTAL PER HOUR FEES</td>
<td>$274.92</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other Fees: Resident and Non-resident *

- UCF Campus Card Fee (per academic year) ................................. $10.00
- Campus (ID) Card Replacement Fee ................................................. $15.00
- Health Fee (per term) ......................................................... $6.60 per credit hour
- Minimum charge: $36.90
- Maximum charge: $99.00
- Material and Supply Fee (per term; approved courses only – varies per course) .......................... $5.00-$45.00
- Equipment Fee (per term, for use of equipment) Business majors: Full time: $15.00; Less than full time: $7.50
- Equipment Fee (per term, for use of equipment) Music majors: Full time: $70.00; Less than full time: $55.00
- International Student Service Fee (per term) ................................................. $50.00
- Late Registration Fee (students who initially register during Late Registration) ........................................ $100.00
- Late Payment Fee (failure to pay, defer or present waiver for fees by payment deadline) .................. $100.00
- Returned Check Fees (checks returned for any reason):
  - Check amounts up to $50.00 ......................................................... $25.00
  - Check amounts over $50.00 and less than $300.00 ........................................ $30.00
  - Check amounts over $300.00 ..................................................... $40.0 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: 2006-2007 tuition and fees were not available at the time of publication. Rates for the 2006-2007 academic year will be available in early July 2006.

Payment Locations & Hours:
- Cashier's Office - Main Campus - MH110 -- Mon & Thurs 8:30 am to 7:00 pm and Tues, Wed & Fri 8:30 am to 4:00 pm (407) 823-2614
- Cashier's Office - Main Campus - John T. Washington Center-- Mon through Fri 8:30 to 4:00 (407)823-0828/0829
- Cashier's Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204-- Mon through Fri 8:00 am to 3:30 pm (321) 433-7615
- Cashier's Office - Daytona Beach Room 105- Mon through Thurs 8:30 am to 4:00 pm and Fri 8:00 am to 12:00 noon (no cash) (386) 506-4073
- Cashier's Office - Palm Bay Room 115- Mon through Fri 8:30 am to 4:00 pm (no cash) (321) 433-5187/5186

24-Hour Depository - Millican Hall at Reflection Pond Entrance - (no
Financial Aid – see Student Financial Assistance for rules and procedures. All fees not covered 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 automatically will 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 Prepaid Tuition Plan, the student must notify the Student Accounts Office (MH 107) by the last day of Add/Drop.

The standard plan will pay $79.90 per credit hour (graduate or undergraduate level) for the 2005-2006 academic year. The plan does not cover the local fees of $24.80 per credit hour, the health fee, material/supply fees, or the UCF ID Service and Access fee. The local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $100.36 per credit hour and the health fee. For further details on the Florida Prepaid Tuition Plan please visit our website www/fa.ucf.edu and click on forms. Then click on student services. Scroll down to Florida Prepaid Tuition Plan Procedures. Note: the 2006-2007 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 www.ucf.edu/info/acad_calendar.php for each term. Should the UCF Employee 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. 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 www.ucf.edu/info/acad_calendar.php for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the human resources website at 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 www.ucf.edu/info/acad_calendar.php for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and direct 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 before the end of the Add/Drop period; 2) Cancellation of a course for a medical reason; 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 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.

Direct Deposit
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or errors in address. All refunds from students’ accounts will be directly deposited into their checking accounts. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at and click on Student Self Service. Click on the Student Accounts icon, 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
Financial Information

who do not pay their fees (or obtain a full fee deferment) by the pay-
m ent deadline. The Late Payment Fee is $100 per semester.

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

Fee Appeals
Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at . 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 (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; the Registrar's Office reviews student requests for changes in residency once the student is enrolled. 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 domiciliary rather than for the purpose of maintaining a mere temporary residence or abode incidental to enrollment in an institution of higher education, and should be demonstrated according to the following criteria.

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).
   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 reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bonafide 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,
   Or
   Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,
   Or
   Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state government,
   Or
   Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,
   Or
   Be a graduate student of the Southern Regional Education Board’s Academic Common Market attending Florida’s state universities,
   Or
   Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,
   Or
Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,

Or

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

Or

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

And

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

Residency Reclassification

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

To request a residency review, the student must submit a completed “Residency Reclassification Request Form” and supporting documents to the Registrar’s Office (MH 161). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. The reclassification form must be accompanied by all documents that support the student’s Florida residency claim.

Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires 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 may choose to 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 judgements as to residency within the bounds of the law and in reaching this professional judgement 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 is not tantamount to establishing 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 bonafide 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 Form” and all documents to the Registrar’s Office (MH 161) prior to the close of “Late Registration and Add/Drop” for the term in which Florida residency is requested. Documentation received after the last day of “Late Registration and Add/Drop” 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 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.
ACADEMIC ADVISING

Responsibilities
Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives.

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

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

Freshman (First Time in College - FTIC)
Every incoming Freshman is assigned a professional first year academic advisor in one of the five offices listed below. These advisors also collaborate with the University’s colleges, and schools and link students to advisors in various academic programs. The assignment of a first year advising office will be based on the specialized services of each program and the student’s particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Contact the assigned advising office if you need to change advising offices.

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 Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first semester, 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
   d. Information about key academic policies and important deadlines
2. Connect to their first year advising office during the first semester according to the following designated priority order:
   a. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   b. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   c. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   d. Transfer and Transition Services (TTS) - for freshman student entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH221)
   e. First Year Advising and Exploration (FYAE) - for students not covered by any of the previous categories (PH 116)
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:
1. Attend the UCF Orientation designated for The Burnett Honors College. At this time students will meet with all Honors staff and will learn about The Burnett Honors College courses and GPA requirements.

Continuing students will:
1. Meet with their Honors advisor in the Office of Student Services and Advisement (OSSA) every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor during the first few months of each semester to check on possible career and research opportunities;
3. See an Honors advisor in the Office of Student Services and Advisement (OSSA) if pending majors in 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 SASS Degree Audit, the registration time, and search for classes (once the class schedule is available) through (missing a word)?
5. Register at the scheduled appointment time. Complete all schedule changes by the end of the published add/drop period; and,
6. File an "Intent to Graduate Form" in the Department of Molecular Biology and Microbiology, Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur.

The Burnett College of Biomedical Sciences
New students will:
Meet with the Office of Student Service and Advisement (OSSA)
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 courses (many of which are applicable to the GEP):

- General Biological Sciences .......... BSC 2010C, 2011C
- Genetics .................................. PCB 3063
- General Chemistry ..................... CHM 2045C, 2046, 2046L
- Organic Chemistry .................... CHM 2210, 2211, 2211L
- Microbiology ............................ MCB 3203
- Calculus ................................ MAC 2233 (prefer MAC 2311 2312)
- Physics .................................. PHY 2053C, 2054C (prefer PHY 2048, 2048L, 2049, 2049L)
- Statistics ................................ STA 2023
- Statistics ................................ STA 2023

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

Dates of Importance
The pre-professional 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, ADDDSAS, ACOMAS, etc.) and 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 Arts and Humanities
Although students may have several advisors for various reasons, majors within the College of Arts and Humanities must meet with their major department and their faculty academic advisor and/or the staff of the Office of Academic Support and Information Services (OASIS; CNH 202) as soon as possible.

New students will:
1. Meet a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
2. Pick up your SASS 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/Drop period;
4. Complete all prerequisites prior to admission to upper division classes;
5. Meet with your advisor in the 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.

Continuing students will:
1. Meet with a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
2. Pick up your SASS Degree Audit from myUCF. Check myUCF or the TV monitors for registration dates each term;
3. Review academic progress and to develop an academic plan.

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 SASS Degree Audit and catalog to better understand degree requirements and learn how to read a SASS Degree Audit;
3. Meet with your advisor in the Office of Undergraduate Student Support (USS; BA 201) during their first enrolled semester to petition transfer work into their degree program;
4. Meet with a faculty advisor in the department of their major to understand the career options of your major; and,
5. Be advised in the USS if your major is Business Pending.

Continuing students will:
1. Meet with a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
2. Pick up your SASS 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/Drop period;
4. Complete all prerequisites prior to admission to upper division classes;
5. Meet with your advisor in the USS during the semester/term prior to your graduation term. File your "Intent to Graduate Form" by the end of the term prior to the term in which you plan to graduate.

College of Education
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a major in Education;
2. Be advised by the College of Education Office of Student Services (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723; and,
3. Be assigned to a faculty advisor in the area of their major upon completion of College of Education admission requirements. The faculty advisor's name and telephone number appear on the SASS Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with a faculty advisor if accepted in a major or the Office of Student Services, 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 SASS Degree Audit through myUCF;
3. Review academic progress and to develop an academic plan.
4. File an "Intent to Graduate Form" in the College of Education by the end of the term prior to the term in which graduation is intended.
### College of Engineering and Computer Science

**New students will:**
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science academic policies and procedures;
   b. Discuss degree program requirements;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major;
   b. Plan an appropriate first semester schedule; and
3. Be advised in the Engineering and Computer Science 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. See the department of their major during the first few weeks of the term to be assigned a faculty advisor. 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 Computer Science Undergraduate Advising Office in CSB 201C;
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 SASS 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 Engineering and Computer Science Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add/Drop 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 Engineering and Computer Science Academic Affairs Office each time a student uses the registration process. and,
7. File an "Intent to Graduate Form" in the Engineering and Computer Science Academic Affairs Office by the withdrawal deadline 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; and,
3. Plan an appropriate first semester class schedule.
4. If the student is accepted in a major, he or she should check in the department of their major for their assigned faculty advisor during the first few weeks of the semester.

**Continuing students will:**
1. See their faculty advisor. If accepted in a major, during the first few months of each semester to check progress toward graduation and selection of program courses. The faculty advisor’s name and phone number appear on the SASS Degree Audit each term;
2. See an advisor in the College of Health and Public Affairs (COHPA) Office of Student Support (HPA2 115). If pending majors in limited-access programs, during the first few weeks of each semester to check progress toward eligibility for application to the major;
3. View a SASS Degree Audit through myUCF; and,
4. File an "Intent to Graduate Form" in the COHPA Office of Student Support by the end of the term prior to the term in which graduation will occur.

### 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 a SASS Degree Audit through myUCF.

**Continuing students should:**
1. See their faculty advisor during the first few weeks of each semester to check progress and to select a program of study;
2. See a program advisor prior to registration to select courses;
3. View a SASS Degree Audit through myUCF and contact the Office of Academic Services regarding questions or concerns; and,
4. File an Intent to Graduate Form in the College’s Office of Student Services (Suite 201, Rosen College Campus) during registration for the graduating term.

### College of Sciences

Although students may have several advisors for various reasons, majors within the College of Sciences must meet with their major department and their faculty academic advisor and/or the staff of the Office of Academic Support and Information Services (OASIS; CNH 202) 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 career opportunities, and plan a class schedule;
3. Refer to OASIS 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 SASS 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) must be handled in OASIS;
5. Refer to OASIS any questions pertaining to the SASS audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures; questions about major requirements in the SASS audit should be directed to the department; and,
6. Check their "Fee Invoices" to ensure accuracy of their class schedule.

### Regional Campus System

New transfer students may meet with a professional or faculty advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students will meet with faculty/professional advisors in a group setting during orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Any student who has not been awarded an AA from a Florida public community college or state university and has not completed the UCF General Education requirements should make an appointment as soon as possible with an advisor at the appropriate UCF Regional Campus System location (or the Orlando Campus) to clarify University policies that will affect the student's status and graduation. Continuing students may meet with their advisors on an on-going basis.

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 this Undergraduate Catalog.
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.

Students transferring with an A.S. in one of the 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 the Office of Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student Hotline at 407-823-5959 or visit the web site at http://transfer.sdes.ucf.edu; an Instant Messenger feature allows you immediate access to staff during regular business hours.

The Office of 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:
  - Transfer concerns and questions;
  - Course equivalencies;
  - Common program and course prerequisites;
  - Critical academic and transfer policies;
  - Foreign language requirements;
  - UCF critical dates and deadlines;
  - General advising and referral for transfer students before and after they enroll at UCF;
  - Individual appointments to discuss transfer issues;
  - Written articulation agreements between the university and community colleges;
- Advising for currently enrolled transitioning students who are undeclared majors, undecided or changing majors, and freshmen with 45+ credit hours;
- Transfer Peer Mentor advising services.

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.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:
- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and
- All grade forgiveness awarded under the A.A. will be honored.

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A.
requirements except the CLAST, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What If I Have Not Taken the CLAST?
Students may be admitted without completing the CLAST. However, without the CLAST completed, you are not awarded the A.A.; privileges provided by the A.A. are not granted, (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).

If you have not met the CLAST requirement, you must take the exam in your first term of enrollment; you must satisfy all four parts of the CLAST by the time you have completed 36 hours of upper-division course work. UCF accepts the CLAST alternatives and waivers awarded by Florida public community colleges and universities.

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs.

The CLAST will continue to be an admission option for students, but does not satisfy graduation requirements.

For additional information concerning the CLAST, contact the Student Academic Resource Center: 407-823-5130.

What Are the Foreign Language Requirements?
To be admitted to the University 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 semester 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.

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

Transfer Checklist

| Before Completing the A.A. | __/__/__ | meet with counselor or advisor for graduation check
|                           | __/__/__ | complete application for graduation

| Application for Admission | __/__/__ | date submitted
|                          | __/__/__ | date admission status checked at
|                          | __/__/__ | https://My.UCF.edu
|                          | __/__/__ | date of acceptance

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

| Financial Aid/Scholarship | __/__/__ | date financial aid application (FAFSA) sent
|                          | __/__/__ | date financial aid notification received from UCF
|                          | __/__/__ | date of SCHOLARSHIP application mailed or transfer notice sent to appropriate office
|                          | __/__/__ | date of SCHOLARSHIP application response

| Housing | on-campus __off-campus |
|         | __/__/__ | date application sent (include deposit when required)
|         | __/__/__ | date accepted

| Immunization | __/__/__ | date student health form submitted
| Y_N | need immunizations

| Foreign Language Requirements | Y_N | 2 years/units earned in high school
| Y_N | 8-10 credits earned at the college level
| Y_N | credits to be taken at the university
| Y_N | exempt from foreign language admission requirements

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

| Program (Major) Requirements | Y_N | limited access application
| Y_N | completed prerequisites
| Y_N | met grade point average (GPA) requirements
| Y_N | met minimum cumulative GPA for admission to program of study
| Y_N | met cumulative GPA in courses taken for program of study
| Y_N | met grade requirements for designated courses
| Y_N | audition, portfolio, additional admission requirements met
| Y_N | CLAST exam or alternatives

| Orientation: | __/__/__ | orientation date at UCF
is the basis for constructing a SASS 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.

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.

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 invoice through myUCF. Payments may be made at the Cashier’s Office, Millican Hall, room 110, or mailed to:

University of Central Florida
Cashier’s Office
PO Box 918449
Orlando, FL 32891-8449

Please do not mail or place cash in the night depository. Please include your PID on all checks and money orders. Credit cards are accepted, in person, over the Web, or by telephone; a $10 convenience fee is added for each transaction.

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

**Can Transfer Students Participate in The Burnett Honors College?**

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

**Transfer Tips:**

- **Office Visits for Transfer Advising**
  - Students are encouraged to contact the Office of Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday - Friday, 8:30 a.m. - 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.

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. This means you will register along with native UCF rising juniors.
- 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 letters 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 and then allowed to register. Tuition and fee payments are due by the published deadline, before class-

es begin.

- Complete the "Student Health Form." Registration will not be 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 semester 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 semester 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 semester hours after CLEP credit has been awarded;
- Apply no more than 45 semester 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 semester 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 semester 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 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 (including the Rosen College of Hospitality Management) 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://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 advanced course in the same discipline may be substituted for GEP requirements. These advanced courses, approved by the Faculty Senate Undergraduate Common Program Requirements Committee, are listed in the section identified as "Alternate Courses: General Education Program." Students should consult with an advisor before enrolling in an advanced course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate "General Education Requirements Met" upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the "NC" grade must earn a grade of "C" (1.75) or better.

General Education Program Learning Objectives

Communications Foundation
- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to 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 develop 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 appropriate 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 social, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
Undergraduate Degree Requirements

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

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

A. Communication Foundation

1. ENC 1101 English Composition I 1, 2 3(3.0)
2. ENC 1102 English Composition II PR: ENC 1101 1, 2 3(3.0)
3. SPC 1600C Fundamentals of Oral Communication or SPC 1016 Fundamentals of Technical Presentation 3(3.0)
COM 1000 Communication 3(3.0)

B. Cultural and Historical Foundation

1. EUH 2000 Western Civilization I 2 3(3.0)
EUH 2001 Western Civilization II 2 3(3.0)
HUM 2210 Humanistic Tradition I 2 3(3.0)
HUM 2230 Humanistic Tradition II 3(3.0)
AMH 2010 U.S. History: 1492-1877 2 3(3.0)
AMH 2020 U.S. History: 1877-present 2 3(3.0)
WOH 2012 World Civilization 1 3(3.0)
WOH 2022 World Civilization II 3(3.0)
2. ARH 2050 The History of Art I 3(3.0)
ARH 2051 The History of Art II 3(3.0)
MUL 2010 Enjoyment of Music 3(3.0)
THE 2000 (Theatre) THE 2020 3(3.0)
FIL 1001 Cinema Survey 3(3.0)
REL 2200 World Religions 3(3.0)
PHI 2010 Introduction to Philosophy 3(3.0)
LIT 2110 World Literature I PR: ENC 1102 2 3(3.0)
LIT 2120 World Literature II PR: ENC 1102 2 3(3.0)
3. Take one additional course from either B1 or B2.

C. Mathematical Foundation

1. MAC 1105 College Algebra 2 3(3.0)
MGF 1106 Finite Mathematics 2 3(3.0)
2. CGS 1060C Introduction to Computer Science 2 3(3.0)
STA 1060C Basic Statistics using Microsoft Excel 2 3(3.0)
STA 2014C Principles of Statistics 3(3.0)

D. Social Foundation

1. ECO 2013 Principles of Macroeconomics 3(3.0)
ECO 2023 Principles of Microeconomics 3(3.0)
POS 2041 American National Government 3(3.0)
2. PSY 2012 General Psychology 3(3.0)
SYG 2000 General Sociology 3(3.0)
ANT 2000 General Anthropology 3(3.0)

E. Science Foundation

1. AST 2002 Astronomy 3(3.0)
PSC 1121* Physical Science PR: MAC 1105 or MGF 1106 3(3.0)
PHY 2053C College Physics I: MAC 1105 and MAC 1114 4(3.0)
CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3.0)
2. BSC 1005* Biological Principles 3(3.0)
BSC 1050* Biology and Environment 3(3.0)
GLY 1030* Geology & Its Applications 3(3.0)
GEO 1200* Physical Geography 3(3.0)
ANT 2000 The Human Species 3(3.0)
MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3.0)

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

Effective Date: Summer 2006

Substitution of Courses: General Education Program and Other Requirements

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

Alternate Courses: General Education Program

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

<table>
<thead>
<tr>
<th>GEP Requirement</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1106 (College Algebra)</td>
<td>MAC 1114, MAC 2233, MAC 2253, MAC 2254, MAC 2311, MAC 2312, MAC 2333</td>
</tr>
<tr>
<td>ECO 2013 (Macroeconomics)</td>
<td>Any higher level ECO course which has ECO 2013 as a prerequisite ECO 2023 (Microeconomics)</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
<td>PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 2015C</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
<td>CHM 2045C, CHM 1032, CHS 1440</td>
</tr>
<tr>
<td>BSC 1005 or BSC 1050 (Biology)</td>
<td>BSC 2010C</td>
</tr>
<tr>
<td>GEO 1200 (Geography)</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2100C, COP 2200, COP 2500C, COP 3502C, COP 3503C</td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
<td>STA 2023, STA 3032</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1001 (Cinema Survey)</td>
<td>FIL 2400, FIL 3401, FIL 3402</td>
</tr>
<tr>
<td>MUL 2010 (Enjoyment of Music)</td>
<td>MUH 2122, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

*For all of the acceptable substitutions in this GEP requirement, a grade of ‘C’ or better satisfies three hours of the Gordon Rule requirement.

Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first baccalaureate degree from UCF must complete at least one course that explores the 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 are also 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.

General Education Courses:

ENC 1102 Composition II
SPC 1600C Fundamentals of Oral Communication

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SYG 2000  General Sociology
ANT 2000  General Anthropology
POS 2041  American National Government
PSY 2012  General Psychology
WOH 2222  World Civilization II
LIT 2120  World Literature II

Other Courses:
AMH 3421  History of Florida to 1845
AMH 3423  Florida History 1845-Present
AMH 3562  Women in American History II
AML 3263  Contemporary American Women's Fiction
AML 3615  Harlem, Haiti, and Havana
ANT 3245  Native American Religions
ASH 4304  Women China
CCJ 4463  Cultural Diversity in Criminal Justice
CCJ 4670  Women and Crime
CJE 4174  Comparative Justice Systems
COM 4014  Gender Issues in Communication
COM 4461  Intercultural Communication
CPO 3304  Politics of Developing Areas
EDG 2701  Teaching Diverse Populations
GEO 3470  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
LIT 3354  Ethnic Literature in America
LIT 3192  Caribbean Literature
MMC 4300  International Media
MUL 2710  Music of the World
NUR 3617  Promoting Healthy Communities
NUR 3616  Promoting Healthy Families Across the Lifespan
PAD 4446  Multiculturalism in Public Administration
PLA 4020  Law and Society
PLA 4830  World Legal Systems
PLA 4XXX  Employment Discrimination
POS 3627  Cultural Plurism and Law
POS 4233  Women and Politics
POS 4622  Politics and Civil Rights
PUP 3314  Minority Politics
SOW 3420  Social Work with Minorities
SPW 4772  Black Presence in Contemporary Latin America
SYD 3800  Sex Roles in Modern Society
SYG 4323  Social Systems and Diversity
SYG 4734  Minority Aging
SYG 4323  Social Systems and Diversity
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 received advanced education abroad must substitute select classes.

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 1121 (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 SPA 4614C or an appropriate score on the ASL proficiency exam. Contact the Department of Communicative 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 semester 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:  GE Courses Which Satisfy:
1. Six hours of mathematics at the level of college algebra or higher  (1) College algebra or finite math
2. Six hours of English coursework and six hours of additional coursework with significant college level writing  (1) Six hours of English Composition (2) Specifically identified courses and those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:
ENC 1101  Composition I
ENC 1102  Composition II
LIT 2110  World Literature I
LIT 2120  World Literature II
AMH 2010  U.S. History: 1492-1877
AMH 2020  U.S. History: 1877-Present
EULH 2000  Western Civilization I
EULH 2001  Western Civilization II
HUM 2210  Humanistic Tradition I
HUM 2230  Humanistic Tradition II
WOH 2212  World Civilization I

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WOH 2022 World Civilization II
BSC 2100C Biology I
Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:
- All Courses with an AML, ENC, ENG, ENL, and LIT prefix

AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AM 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 II
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 4504 China in 19th and 20th Centuries
ASH 4442 Modern Japan, 19th and 20th Centuries
DAN 3134 Dance History I
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EML 4501C Engineering Design I
EUH 3122 Medieval Society and Civilization
EUH 3142 Renaissance and Reformation
EUH 3235 Romanticism and Realism
EUH 3242 Modern Europe and the First World War
EUH 3281 Second World War and Rebirth of Europe
EUH 3411 Ancient Rome
EUH 3451 History of Modern France
EUH 3651 War and Society
EUH 4284 Fascism and the Totalitarian Dictatorships
EUH 4405 Hitler’s Third Reich
EUH 4500 English History to 1485
EUH 4501 English History: 1485-1815
EUH 4502 British History: 1815-Present
EUH 4511 History of Russia to 1801
EUH 4574 History of Russia: 1801-1917
EUH 4576 History of Russia in the 20th Century
EUH 4620 European Great Powers: 1815-1914
HIS 4130 History and Historians
HUM 3320 Contemporary Multicultural Studies
HUM 3394 Representations of Place and Space
HUM 3401 Asian Humanities
HUM 3431 Ancient Humanities
HUM 3460 Latin American Humanities
HUM 3553 Moses, Jesus and Muhammad
JOU 2100C News Reporting
JOU 3101 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4300 Feature Writing
JOU 4306C Critical Writing
JOU 4308 Freelance Writing
LAH 3130 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
NUR 2165 Nursing Research
NUR 3805 Transitional Concepts in Nursing I
PAD 4034 The Administration of Public Policy
PAD 4720 Survey Research in Public Administration
PHH 3100 Ancient Philosophy
PHH 3200 Medieval Philosophy
PHH 3460 Modern Western Philosophy
PHH 3600 Contemporary Philosophy
PHH 3700 American Philosophy
PHH 3863 Research Methods in Philosophy
PHI 3320 Philosophy of Mind
PHI 3323 Minds and Machines: Philosophy of Cognitive Science

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 to satisfy the CLAST requirement. There are several methods by which students may meet this requirement, but applicants for teacher certification can only satisfy the CLAST by earning passing scores on each subtest. Students who have completed 18 or more semester hours are eligible to take CLAST.

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 term at UCF. If a student has not met the CLAST requirement by the completion of 36 upper division semester hours, enrollment in future terms at UCF will be restricted until the CLAST requirement has been satisfied.

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 CLAST may enroll in 36 semester hours of upper division credit. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met. An appeal to continue enrollment may be submitted to the CLAST Petition Committee (PH 106). CLAST is offered statewide once per term. Students must register in advance at the University Testing Center (PH 106). CLAST is offered statewide once per term. Students must register in advance at the University Testing Center (PH 106).

Additionaly, students may retake the English Language Skills, Reading, and/or Mathematics subtests on computer at the University Testing Center, PH 106. A fee will be charged for the computer-adapted CLAST. Information regarding preparation for the CLAST or alternative criteria for meeting the CLAST requirement 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 CLAST.

CLAST Waiver Petitions for Students with Disabilities
Students with disabilities may request reasonable accommodations while taking the CLAST. Those who are unable to pass a subtest of the CLAST due to a disability can request that a subtest be waived. The student must be registered with the Student Disability Services Office (SRC 132) and have on file documentation of his or her disability. Contact the Student Academic Resource Center (PH 115) 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://fyt.sdes.ucf.edu.

Summer Attendance Requirement
A student entering the State University System with fewer than 60
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Semester 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 semester 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 planning to graduate in the next term must complete the “Intent to Graduate Form” in their college (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 ceremonies and guest ticket information or refer to http://graduation.ucf.edu.

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.

Grad On Track (GOT)
First Year Advisor: Stephen O’Connell; PH 116; 407-823-3789; got@mail.ucf.edu; http://gradontrack.sdes.ucf.edu

The Grad On Track (GOT) program assures a student’s grauation in four years. GOT students agree to a pre-determined four-year program of study; in return, the University guarantees access to the classes needed to graduate in that program of study. The program is designed for students who will attend the University full-time for four years, and whose eligible major is determined from the point of admission to the program. For more information, visit the Grad On Track website at http://gradontrack.sdes.ucf.edu.

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: learn@nervm.nerdc.ufl.edu. Website: http://www.dote.ufl.edu.

Double Majors
Students working toward a single bachelor’s degree (B.A. or a B.S. degree) may concurrently satisfy the requirements for two majors under the same catalog year and will be awarded one diploma with both majors indicated on the transcript. Since the requirements for Bachelor of Arts and Bachelor of Science degrees are different, a student completing a major with a B.A. and a major with a B.S. must satisfy the requirements for both the B.A. and the B.S. degrees and must use the same catalog year for both majors. Students may not pursue a BA/BS double major in the same major. Although both majors will be indicated on the transcript, only one diploma (B.A. or B.S., at the student’s option) will be awarded. A double major does not require a minimum number of hours beyond those necessary for completing degree requirements (120 or more hours), while a second baccalaureate degree has specific minimum requirements.

Double Degrees/Second Baccalaureate Degree
Any UCF student desiring to obtain two or more baccalaureate degrees must meet the requirements for each degree and earn a minimum of 150 semester hours. A separate diploma will be awarded for each degree.

Transfer graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement 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.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 semester hours for a second degree or more than 30 semester hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.

Catalog Year Requirements for Double Degrees and Double Majors
Students earning two degrees may use different catalog years for each degree. Students earning a double major must use the same catalog year for both majors.

Dual Usage of Credit Hours
Courses used to meet the requirements of an undergraduate degree typically cannot also be used to meet the requirements of a graduate program. At the discretion of the program and college, graduate programs are permitted to accept up to nine hours of graduate course work taken at UCF while an undergraduate student as part of an undergraduate program of study. Departments can provide information regarding the 3+2 degree programs and the Senior Scholars program. See the Graduate Catalog for further information.
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 myUCF Class Schedule 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.ucf.edu/info/acad_calendar.php.

Schedule Web Guide

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 semes-
ter hours. A semester hour of credit or credit hour represents the class hour of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

Note: Graduate and post-baccalaureate students please refer to the 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 terms. The department chair and college advising office must approve overrides. Overrides 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. Although educa-
tionally beneficial, selected courses, minors, (unless required for a specific major) and other obligations to the University. Satisfaction and clearance of holds require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, 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.

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 the academic term, are eligible to enroll without paying tuition. Auditors may enroll for courses that are not required for academic credit. The General Catalog and the course description will state whether a course is open only to credit-seeking students. Non-credit-seeking students must be signed by the instructor and presented to the Registrar’s Office. Auditors who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the “Residency Affidavit,” the “Student Health History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form.” These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s web site: http://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.ucf.edu/info/acad_calendar.php. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

State of Florida Employee Registration
State of Florida employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available basis on the last day of Registration each term at the time specified on the “Academic Calendar,” online at http://www.ucf.edu/info/acad_calendar.php. For waiver eligibility and application information, see “Tuition Waivers” within the “Financial Information” chapter of this Undergraduate Catalog.

UCF Employee Registration
UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available basis only on the last day of Registration each term at the time specified on the “Academic Calendar,” online at http://www.ucf.edu/info/acad_calendar.php. For waiver eligibility and application information, see “Tuition Waivers” within the “Financial Information” chapter of this Undergraduate catalog.

State Tuition Exemption Program (STEP) (National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.ucf.edu/info/acad_calendar.php. For waiver eligibility and application information, see “Tuition Waivers” within the “Financial Information” chapter of this Undergraduate catalog.

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 at all SUS institutions and at http://www.facts.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be mailed or delivered to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.ucf.edu/utoplinks. Students should visit the Registrar’s Office website at http://registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

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 this Undergraduate Catalog. Audit registration is on a space-available basis. There is no prescribed time of Registration, or at any time during Late Registration and Add/Drop 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/Drop, but must remain in the course and withdraw through normal withdrawal procedures. New stu-
dents must be accepted for admission. Audit forms, available on the Registrar’s website 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.
Academic Regulations and Procedures

UCF Students Attending Another State University

System of Florida Institution

UCF students who desire to attend another SUS institution as a Transient Student may secure the “SUS Transient Application Form” from their college advising office, from the Registrar’s Office or online at http://www.facts.org. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and 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 Certifications

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 www.degreecert.com. A fee will be assessed for all such requests. UCF has contracted with Credentials, Inc. to provide current enrollment, degree and past attendance verifications online 24 hours a day, seven days a week. Credentials, Inc. Customer Service is available at 1-847-446-1027, ext. 104 between 7:00 a.m. and 7:00 p.m. CST/CDT Monday through Friday.

Withdrawal Policy

Withdrawal for each term begins after “Late Registration and Add/Drop” 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.ucf.edu. A student may withdraw from courses by using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) to be dropped and his or her signature. Students also may send a written request to the Registrar’s Office by mail (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) to be dropped and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo-identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international Visa consequences. Students should seek appropriate advisement prior to withdrawing from a class.

A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class. Upon request the instructor will provide the student with an assessment of the student’s performance in the course prior to the last day of withdrawal.

No withdrawal is permitted after the deadline except in extraordinary circumstances such as serious medical problems. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should 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, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered. Medical and late withdrawals normally are for all courses taken in the semester.

Students who seek late withdrawal because they are ill must apply for the withdrawal within six months of the term from which the withdrawal is sought. Students seeking a late withdrawal because of medical conditions must follow the medical withdrawal procedure. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services. A medical withdrawal must be for all classes in the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal may be placed on hold until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately following semester, but will use that time to address the medical condition that necessitated the withdrawal. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

Following the close of Late Registration and Add/Drop 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 sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of courses to Academic Services (MH 210; 407-823-2891) 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 instructor of 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 withdrawal and all other actions regarding student progress or class attendance. The withdrawal and all other actions are considered final and cannot be reversed.

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</td>
<td>No Credit</td>
</tr>
</tbody>
</table>

* Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 214C. In these classes NC replaces the use of D+, D and D-.
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 semester hours attempted, less hours resulting from NC, W, WP, and I grades. 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 semester 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 semester hours x 3.25 grade points = 9.75 |
| Course #2 | A- | 3 semester hours x 3.75 grade points = 11.25 |
| Course #3 | A | 4 semester hours x 4.00 grade points = 16 |
| Course #4 | B | 3 semester hours x 3.00 grade points = 9 |

= 13 semester hours = 46 total grade points

2) Divide the total number of grade points by the total number of semester hours earned that term:

46.00 total grade points / 13 semester 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.

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.

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. 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 semester 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. Grade changes other than medical withdrawals will be considered only during the semester immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

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

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend classes 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 when 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 (SRC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (SRC 155; 407-823-2851) or for athletic events only, Academic Services for Student-Athletes, Saber Center 123B; 407-823-3761.

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

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (SRC 155) for disciplinary action.

Student Conduct
Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule.

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (SRC 154) to consider eligibility for admission.

Religious Observances
It is the policy 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 will notify all of his/her instructors and be excused from classes to observe the
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 Rule 6C7-5.0031, Student Grievance Procedure, as listed in The Golden Rule.

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

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

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

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

**Other Student Classifications:**

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

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

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

**Academic Honors**

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

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

*Baccalaureate Honors* The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 semester 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. 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://pegasus.cc.ucf.edu/~ips/character/honorscutpoints.html for the most up-to-date UCF Honors minimum GPA requirements.

**Grade Forgiveness** Grade Forgiveness offers a student the opportunity to retake a course and earn a higher grade that will be substituted for the previous lower grade and thus raise the GPA. “Grade Forgiveness Request Forms” are available in the Registrar’s Office (MH 161) or on the Registrar’s website, http://registrar.ucf.edu. Requests must be submitted no later than the last day of Late Registration and Add/Drop for the term/session in which the student has registered for the course being repeated. 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 always 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,” “U” or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades.
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or
more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;

9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or suspension). 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 pre-fix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF.

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 can be made when an error is committed and is so stated by the instructor on the “Change of Grade Request Form.”

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 the 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 normally expected to complete the Florida AA degree 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. 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 “D” (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 (unless in the opinion of the Admissions and Standards Committee there is documented extenuating circumstances).

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.

Earning Credit While Disqualified or Excluded
A student disqualified or excluded 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 must ensure that he or she is familiar with the current 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 15; for Fall, July 15; and for Spring, November 15.

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 on the web at http://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 the "Financial Information" chapter of this 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 semester 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 "D" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
Academic Regulations and Procedures

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).

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; and,

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

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

Readmission Prior to Completion of the Required Suspension

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

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

Students who are disqualified (with a grade point deficiency of 15 grade points or more) or who have been excluded 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 may appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Dropping or Withdrawing During Readmitted Term

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

Limitations on the Number of Readmission Appeals

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

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

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 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.

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 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.”

Right of Appeal

A student who is ineligible for readmission or has been denied readmission may 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 lead to their poor academic performance or academic dismissal.

a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).

A “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 ($5 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;

6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:

a. A completed “Application for Readmission as an Exception to University Policy Form”;

b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;

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

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

Effective Fall 2004, the Academic Amnesty Program provides undergraduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

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

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific semesters of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program; and
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.).

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.

Obtain the Academic Amnesty form at registrar.ucf.edu.

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 will 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 twelve months of the date the name change is requested must submit the form to the Human Resources Office (2565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://registrar.ucf.edu.

Address and E-Mail Changes

The student’s address is obtained from the “Application for Admission or Readmission.” It is the students’ responsibility to make appropriate changes to the address as they occur. Address and e-mail changes can be made on myUCF (https://my.ucf.edu). 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, or by fax). “Transcript Request Forms” are also available on the Registrar’s Office website at http://registrar.ucf.edu. A student’s academic record can be released only upon written authorization signed by the student. Telephone and e-mail requests are not accepted. Transcripts cannot be released if the student is on hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A $5 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to http://registrar.ucf.edu/ or call 407-823-3100. Transcripts may be sent electronically to other Florida public institutions. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $5.00 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 semester and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107). Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

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

Extempifying Circumstances

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

1) Medical condition or serious illness preventing completion;
2) Death of an immediate family member;
3) Involuntary call to active duty; or
4) Other emergency circumstances or extraordinary conditions.

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

Financial Hardship

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

1) Qualification for federal need-based financial aid; or
2) Other documented financial hardship may be
Academic Regulations And Procedures

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 offi-
cially 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 (including the Rosen
College of Hospitality Management) must adopt the most current cat-
alog. 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: Language 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 dif-
ferent 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 process-
ing the change in major. If they have not interrupted residency, stu-
dents entering UCF in an "Undeclared" or "Undecided" category may
retain their catalog when initially selecting a major. The
"Undergraduate Major Change Form" is available at the college and
school advising offices of from the Registrar's Office website at
http://registrar.ucf.edu. Forms may be submitted in person to the col-
lege/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.

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 submission of the "Intent to Graduate Form." Students
strongly are urged to declare a minor as early as possible.
Minors are optional unless required by your specific major. All
major and minor requirements (i.e., the minor and major) must be from
a single UCF 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 per-
son 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 complet-
ing all requirements for an undergraduate Certificate program.
Students must be admitted in a degree seeking program to be eligi-le 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 certified at the time of the student's under-
graduate career. Some certificates may restrict awarding the certifi-
cate to time of degree completion. The undergraduate Certificate is
awarded upon completion of the certificate requirements as deter-
mined by college/school and specific certificate. The Undergraduate
Certification form is available at the college and school 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 are trans-
ferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and
Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records
are based on state regulations and the federal Family Educational
Rights and Privacy Act of 1974. FERPA affords students certain
rights with respect to their education records. They are:

1. The right to inspect and review the student's education records
within 30 days of the day the University receives a written request for
access. Students should submit to the University Registrar, dean,
head of the academic department, or other appropriate official, writ-
ten requests that identify the record(s) they desire to inspect. The
University official will make arrangements for access and notify the
student of the time and place where the records may be inspected. If
the records are not maintained by the University official to whom the
request was submitted, that official shall advise the student of the
correct official to whom the request should be addressed;

2. The right to request the amendment of the student's education
records that the student believes are inaccurate or misleading.
The student may ask the University to amend a record that he or she
believes is inaccurate or misleading. The student should write the
University official responsible for the record, clearly identify the part
of the record to be changed, and specify why the current record is
inaccurate or misleading. If the University decides not to amend the
record as requested by the student, the University will notify the
student of the decision and advise the student of his or her right to a
hearing regarding the request for amendment. Additional information
regarding the hearing procedures will be provided to the student
when notified of the right to a hearing;

3. The right to consent to disclosures of personally identifiable infor-
ination contained in the student's education records, except to the
tent 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, supervi-
ory, 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, audi-
tor, 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 per-
forming 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 con-
cerning 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 stu-
dent directory information to independent vendors upon request.
Directory information at UCF includes:

- name
- current mailing address
- telephone number
- e-mail address
- date of birth
- major field of study
- dates of attendance
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.” To do this, students must complete the “Directory Disclosure/Release Authorization” form available at the Registrar’s Office (MH 161) or online at http://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 website at http://www.ed.gov/offices/OM/fpco/.

Higher Education Act

Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from registrar.ucf.edu/hea/

Accelerated Education 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 semester 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 catalog.

At the time this catalog went to press, the Florida Department of Education was reviewing test credit policies. For updated information please visit http://www.registrar.ucf.edu/testcredit.html.

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**ADVANCED PLACEMENT EXAMS**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
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<td>CUL &amp; HIS</td>
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<tr>
<td>Biology</td>
<td>BSC 1005</td>
<td>SCI Found</td>
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<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAT Found</td>
<td>Same as 3</td>
<td></td>
<td>Found 1</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>SCI Found</td>
<td>Same as 3</td>
<td></td>
<td>Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020</td>
<td>SCI Found</td>
<td>Same as 4</td>
<td></td>
<td>Found 4</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CGS 1075</td>
<td>MAT Found</td>
<td>Same as 3</td>
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<td>Found 2</td>
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<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
<td>MAT Found</td>
<td>Same as 3</td>
<td></td>
<td>Found 2</td>
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<td>Economics: Macro</td>
<td>ECO 203</td>
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<td>Economics: Micro</td>
<td>ECO 202</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
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<td>ENC 1101</td>
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<td>English Literature and Composition</td>
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<td>COM Found</td>
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<td>Environmental Science</td>
<td>ISC 1051</td>
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<td>Same as 3</td>
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<tr>
<td>European History</td>
<td>EUH 1090</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>Same as 3</td>
<td>Same as 3</td>
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<td>Government and Politics: United States</td>
<td>POS 2041</td>
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<td>GEO 1400</td>
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<td>Music Theory</td>
<td>MUS 1001</td>
<td>SCI Found</td>
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<td>Music Theory</td>
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<td>Music Theory</td>
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<tr>
<td>Music Theory</td>
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<td>Physics B</td>
<td>PHY 2053C</td>
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<td>SCI Found</td>
</tr>
<tr>
<td>Physics C: Electricity / Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found</td>
<td>Same as 4</td>
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<td>SCI Found</td>
</tr>
<tr>
<td>Psychology</td>
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<td>SCI Found</td>
<td>Same as 3</td>
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<td>SCI Found</td>
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<td>Statistics</td>
<td>STA 2023</td>
<td>MAT Found</td>
<td>Same as 3</td>
<td></td>
<td>SCI Found</td>
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<tr>
<td>Studio Art: Drawing Portfolio</td>
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<td>No direct equivalent</td>
<td>Same as 3</td>
<td>Same as</td>
<td>SCI Found</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>No direct equivalent</td>
<td>No direct equivalent</td>
<td>Same as 3</td>
<td>Same as</td>
<td>SCI Found</td>
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<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>SCI Found</td>
<td>Same as 3</td>
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<td>SCI Found</td>
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<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>SCI Found</td>
<td>Same as 3</td>
<td></td>
<td>SCI Found</td>
</tr>
</tbody>
</table>

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 subtest 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 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits) of introductory language.

**Advanced Placement Latin**

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

AP Latin: Vergil LNW 3660
AP Latin: Latin Literature LNW 3700 (number unique to exam)

**International Baccalaureate Program**

(see table on following page)

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

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 examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)
IB Diploma recipients (standard or higher level) earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121) level for a score of 4. Diploma recipients (standard or higher level) and non-diploma recipients (higher level only) 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 1121/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>4 (Diploma holders only)</th>
<th>GEP Usage</th>
<th>5 (Higher-Level only for non-diploma holders; either Standard or Higher Level for diploma holders)</th>
<th>GEP Usage</th>
<th>6-7 (Higher-Level only GEP Usage for non-diploma holders; either Standard or Higher Level for diploma holders)</th>
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</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
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<tr>
<td>Computer Science</td>
<td>CGS 1076</td>
<td>MAT Found 2</td>
<td>CGS 1076 (6 Credits)</td>
<td>MAT Found 2</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Engineering</td>
<td>ETI 1410</td>
<td>SCI Found 2</td>
<td>ETI 1410 (6 Credits)</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
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<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 2</td>
<td>ECO 1000 and ECO 2023</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
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<td>English A1</td>
<td>ENC 1101</td>
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<td>ENC 1101 and ENC 1102</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
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<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1050 (6 credits)</td>
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<td>Further Mathematics</td>
<td>MHF 1202</td>
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<td>MHF 1202 and MHF 1209</td>
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</tbody>
</table>

* This use for General Education applies only to I.B. credit.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Course</th>
<th>&quot;C&quot;-level pass.</th>
<th>&quot;B&quot;-level Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>Same as &quot;C&quot;</td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 1147</td>
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<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1050</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Calculus with Elementary Functions</td>
<td>MAC 2233</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Educational Psychology, Introduction to English Composition with Essay</td>
<td>EDP 1002</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>History of the United States II: 1865 to Present</td>
<td>ENL 1000</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CYS 1077</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Macroeconomics, Principles of Management</td>
<td>MAF 1011</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Marketing, Principles of</td>
<td>MAR 1011</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1007</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Microeconomics, Principles of Psychology, Introductory</td>
<td>ECO 2012</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### 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 exams taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awarding of CLEP credit is subject to the conditions listed below.

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 semester 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, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete or receive credit by UCF (transfer or otherwise) in a more advanced course during the semester in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “E” or “D”</th>
<th>GEP Usage</th>
<th>Passing score of “C”, “B”, or “A”</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art and Design (AS-Level)</td>
<td>Credit at discretion of faculty;</td>
<td>submission of portfolio recommended</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>Credit at discretion of faculty;</td>
<td>submission of portfolio recommended</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>none</td>
<td></td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (A-Level)</td>
<td>none</td>
<td></td>
<td>BSC 2010C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Chemistry (AS-Level)</td>
<td>none</td>
<td></td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>none</td>
<td></td>
<td>CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
<td></td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td></td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>English (AS-Level)</td>
<td>ENC 1101 or ENC 1102*</td>
<td>COM Found 1</td>
<td>same*</td>
<td></td>
</tr>
<tr>
<td>English (A-Level)</td>
<td>ENC 1101 or ENC 1102#</td>
<td>COM Found 1</td>
<td>ENC 1101/1102 or ENC 1102/LIT 1006#</td>
<td></td>
</tr>
<tr>
<td>Environmental Science (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
<td></td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>History (AS- or A-Level)</td>
<td>Three credits for each successfully passed paper, subject to institutional review</td>
<td>SCI Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Foreign Language (Language Exams, AS or A-Level)</td>
<td>At least one semester of language</td>
<td>At least one semester of language</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Foreign Language (Literature Exams, AS or A-Level)</td>
<td>credit up to elementary II level (usually 1121)</td>
<td>credit up to intermediate II level (usually 2201)</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Mathematics (AS-Level)</td>
<td>none</td>
<td></td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>none</td>
<td></td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>none</td>
<td></td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2053C/2054C</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>none</td>
<td></td>
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<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
<td>same</td>
<td></td>
</tr>
<tr>
<td>Sociology (AS-Level)</td>
<td>none</td>
<td></td>
<td>SOC Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
<td>same</td>
<td></td>
</tr>
</tbody>
</table>

* If the student has previous credit for ENC 1101, credit will be rewarded for ENC 1102.
# If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1006.

![Academic Regulations and Procedures](http://www.cie.org.uk/q_and_s/gce_a/index.html)
DANTES Examination Credit
(see table below)
The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantes Examination credit. For additional information: www.getcollegecredit.com.

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

<table>
<thead>
<tr>
<th>Exam Credit</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>GEB 1011</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td>B</td>
<td></td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>C</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td>C</td>
<td></td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>B</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 1014</td>
<td>MAT Found 2</td>
<td>C</td>
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<table>
<thead>
<tr>
<th>Exam Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
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<tbody>
<tr>
<td>QMB 1001</td>
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</tr>
<tr>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>EVR 1017</td>
<td>C</td>
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<td>EDF 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>PCO 1202</td>
<td>B</td>
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</tr>
<tr>
<td>HSC 1100</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>MAN 1300</td>
<td>C</td>
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<td>GEO 1400</td>
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<tr>
<td>GEB 1011</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>DEP 2004</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>BAN 1501</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>C</td>
</tr>
<tr>
<td>ACG 1001</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>B</td>
</tr>
<tr>
<td>STA 1014</td>
<td>MAT Found 2</td>
<td>C</td>
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<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing grade for credit</th>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>B</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101 for C</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>ENC 1101/ 1102 for B</td>
<td>COM Found 1</td>
<td>B</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>
International Studies and Programs

Interim Assistant Vice President of International and Interdisciplinary Studies: Dr. Diane Z. Chase
Associate Director: Angel Cardec
407-882-2300; Fax: 407-275-4386; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; http://www.international.ucf.edu.

The Office of International Studies (OIS) serves as a bridge that connects UCF students and faculty to diverse world communities. As a University level office, the OIS focuses on creating a trans-national understanding of the social, economic, cultural, environmental, and political realities of the 21st Century. The OIS, the Office of the Special Assistant to the President for Global Perspectives, the International Services Center and the Center for Multilingual, Multicultural Studies work together to provide a concerted effort to implement the university’s broader strategic plan for internationalization.

The OIS 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: faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Central to the global mission at UCF is an ongoing program of international grants and development projects. The OIS secures, through external funding agencies, the resources necessary for faculty and curriculum development, joint research projects, and partnership programs. Recent grants include U.S. Department of Education Fulbright-Hays Group Projects Abroad grants to Mexico, the Caribbean, Peru, India, and Bolivia.

Several enrichment opportunities for faculty have OIS involvement, including the International Track of the UCF Faculty Development Summer Conference, other faculty workshops, and research opportunities.

The OIS assists in developing and processing agreements with institutions outside the United States. These agreements vary from protocolary statements of cooperation to specific agreements covering participation in theses and dissertation committees, student and faculty exchanges, and study abroad programs. The OIS provides templates, facilitates processing, and maintains agreement files.

Through the OIS, UCF develops, promotes and supports programs of study throughout Africa, Asia, Europe, Latin America and the Caribbean (see below).

Study Abroad Programs

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 also 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 Office of International Studies (OIS), and are designed to provide an exceptional learning experience, while matching the needs and situations 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 short term programs that UCF has offered in the past include the Department of Foreign Languages’ intensive programs in France, Japan, Germany, Spain and Italy; Social Work Department programs in South Africa and Russia; Criminal Justice in Barbados and Russia; Nursing in Sweden; Education in the Netherlands, Hospitality in France, and Art in Scotland.

Student Exchanges provide the opportunity to become a student at a university abroad for one semester 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. Some of the exchanges that have been offered at UCF are Qingdao University in China; Université de la Méditerranée in France, and Art in the Netherlands, Hospitality in France, and Art in Scotland.

UCF students may also take advantage of the options provided by other member universities in the State University System (SUS) of Florida. There are numerous programs available through the system. UCF students apply to these programs directly and must become transient students at the host institution.

There are many additional study abroad options available to UCF students. It is important that students 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 www.international.ucf.edu, or contact the office at 407-882-2300.

Experiential Learning, Undergraduate Studies

Director: Dr. Sheri Dressler, Howard Phillips Hall, Suite 208
(407) 823-2667, www.csel.ucf.edu

Experiential Learning is an instructional department reporting to Undergraduate Studies. It functions in collaboration with Career Services in a joint venture called Career Services and Experiential Learning (CSEL). Its mission is: 1) to assure that quality experiential learning opportunities are available to all UCF students before graduation, and 2) to create meaningful and productive educational part-
merships with academic departments and community partners locally, nationally, and internationally.

The Experiential Learning department directly delivers cooperative education (co-op) and internship courses and facilitates and supports department faculty in the development and provision of internship and service-learning courses. It also administers the Florida Work Experience Program (FWEPR) through which additional paid, major-related experiences are created for students with documented unmet financial need. All of these options provide major-related, real-world experience off-campus to assist students to apply classroom theory and gain the personal and professional competencies they need to be well prepared upon graduation.

- Co-op opportunities are available to students on all campuses in all Colleges. They are always major-related, paid, and include semester with progressively responsible duties. They are either part-time around class schedules or full-time alternating semesters, structured for learning with reflection and evaluation, designated on transcripts, and available for credit when it will count in a student's academic program.
- Internships provide similar benefits to co-op experiences. They are usually one-semester, paid or unpaid, for credit, and occur toward the end of a student’s program of study. These are available through the Experiential Learning department or through departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning website.
- Service-Learning is a means of incorporating experiential learning into academic courses so that students learn course content through a service experience. Through this process, students gain an appreciation for civic engagement while using course content in a real-world environment. Courses using this approach are designated with SL in course listings so that students can select to participate in this type of learning experience.

Current co-op and internship opportunities through Experiential Learning are listed on our website under Experiential Learning. To apply for these opportunities students may complete an application online any time during the year, preferably one semester before they want to participate to allow time to obtain an appropriate learning experience.

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; Website: 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.

Center for Multilingual Multicultural Studies

Director: Myrna Creasman; Bldg #81, P.O. Box 163177, Orlando, FL 32816-3177; 407-823-5515; Fax: 407-823-5465

Using contemporary teaching methodology and computer-assisted instruction, the Center for Multilingual Multicultural Studies provides quality English language instruction for international students. Four levels of courses are offered which range from beginning to advanced, and special attention is given to preparing students for academic coursework work in their specialized fields of study. Full-time students enrolled at the advanced level may elect to take courses as non-degree-seeking students while enrolled in the Intensive English program. Students are required to take an entry placement test to determine their level of proficiency. Student (F-1) visas are extended to qualified applicants. The Center also sponsors English for Special Purposes for international business personnel.

The Center for Multilingual Multicultural Studies at University of Central Florida is accredited by the Commission on English Language Program Accreditation (CEA) and agrees to uphold the CEA standards for English Language Programs. For further information about this accreditation, please contact the Commission of English Language Program, Accreditation, 700 S. Washington Street, Suite 200, Alexandria, VA 22314, (703) 518-2480.

Off-Campus College Credit Programs

Director: Stephen Miller; Division of Continuing Education, Bldg #81, P.O. Box 160950, Orlando, FL 32816-0950; 407-882-0260; Fax: 407-882-0244

Off-Campus College Credit Programs assists in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on campus or off-campus. The colleges may be located in various businesses, educational, or governmental locations. To ensure student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research

Center for Applied Human Factors in Aviation (CAHFA)

Director and Chief Scientist: Jefferson M. Koonce; 407-823-1011; 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. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the National Council on Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies

Director: Abraham Pizam; 407-823-6202

The mission of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product and increase the benefits of tourism for the industry, the state, and the local community. To this end the Institute is involved in a variety of research projects and educational programs.

The Institute's research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry. This includes conducting basic, applied, and industry-related research in the areas of marketing, consumer behavior and visitor satisfaction, feasibility, economic, motivation, and forecasting. Some of the Institute's patrons include tourism promotion agencies at the state and local levels, tourism development commissions, professional associations, and private enterprises such as attractions, hotels, motels, 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 in Florida and internationally, and about its contribution to the social and economic welfare of the community at large.

Executive Development Center

Director: Dr. Jai Ganesh; 407-823-2446

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.
Special Academic Programs and Research Institutes

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;
- 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 our programs to be contemporary, challenging, and effective.

**Florida Canada Linkage Institute**
**Director:** Dr. Jean C. Kijek; 407-823-3647; Fax: 407-823-3649; E-mail: fclu@mail.ucf.edu

The Florida Canada Linkage Institute was created by the Florida Legislature to assist in the development of stronger economic and social ties between Florida and Canada. Linkage is developed through promotion of expanded public/private dialogue on co-operative research and technical assistance, cultural exchange, enhancement of language training, and student/faculty exchange programs. The Institute administers the Florida Out of State Tuition Fee Exemption Program for Canadian students to study in Florida's universities and community colleges for the same tuition fees as Florida residents. The awards are competitive and limited to 25 FTE per year.

**Florida Eastern Europe Linkage Institute**
**Director:** Dr. Jean C. Kijek; 407-823-3647; Fax: 407-823-3649; E-mail: eeli@mail.ucf.edu

The Florida Eastern European Linkage Institute is statewide and is designed to create and foster educational, commercial, cultural and social exchanges between the countries in central and eastern Europe and the State of Florida. The Institute, funded and administered through the Office of Academic Affairs and located in the College of Health and Public Affairs on the main campus, promotes the development of linkage through expanded public/private dialogue 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 Cratty; 407-317-7745, Fax 407-317-7750

The Institute of Government, an affiliate of the John Scott Dailey Florida Institute of Government, is part of the College of Health and Public Affairs and provides training and technical assistance to state and local government, governmental associations, and non-profit organizations. Training workshops, certification programs, conferences, seminars, applied research projects, citizen surveys, strategic planning, and organizational development programs are among the services offered by the Institute.

**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 detection, photocatalytic processes, energy-efficient buildings, advanced cooling technologies, and solar thermal systems. It operates the only certified solar equipment testing program in the country. The yearly value of FSEC's external contracts exceeds its state support by a factor of two. The Center conducts seminars and workshops for professionals statewide, and its technical library boasts one of the nation's most extensive holdings on solar and alternative energy. FSEC's international Renewable Energy Training and Education Center is providing educational programs for government and industry leaders around the world.

**Florida Space Institute (FSI)**
**Director:** Dr. Ron Phillips, Mail Stop: FSI, Kennedy Space Center, FL 32899; 321-452-9834; Fax: 321-452-4842; E-mail: fsiccas@mail.ucf.edu; website: http://fsi.ucf.edu

The mission of the Florida Space Institute is to support and develop Florida's space industry through applied and basic university research and university education in space-related fields using practice-based teaching. FSI conducts research, develops and transfers technology, teaches courses, and provides services to the scientific community. In cooperation with the Florida Space Authority, NASA / Kennedy Space Center, the Air Force, and statewide industry infrastructure, FSI works to facilitate engineering and science interactions within the state.

FSI, a state of Florida Type I Institute within UCF, has 10 member schools and provides space related education and research to undergraduate and graduate students at the Space Center. Research involves students in real-world space issues within the existing space industry environment of the Space Center. This environment permits students and faculty to interact with Space Center engineers and researchers and to use the extensive facilities of the Space Center.

FSI labs and classrooms are located at the Space Center. Additionally, we operate a magnetic launch assist facility and launch sub-orbital sounding rockets from our dedicated educational launch pad at the Cape Canaveral Air Force Station. This combination of facilities at the Space Center provides students with an unequalled opportunity to obtain an education and experience, through practice-based teaching, in the areas of space science and engineering.

**Institute for Simulation and Training (IST)**
**Director:** Randall Shumaker; 3280 Progress Drive, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-658-5059; E-mail: shumaker@ist.ucf.edu; Website: 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 for future simulation development. In April 1985 a State of Florida resolution recognized the institute as part of the Center of Excellence for Simulation and Training.

IST is located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI), Naval Air Training Systems Division (NAVAIR TSD), 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 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 environments
- Computer generated forces
- Mathematical foundations
- Application development
- Information technology
- Human factors/Team training
- Training and education
- Media convergence
- Embedded simulation
- Parallel computing

Laboratories, work space, and administrative offices occupy nearly 38,000 square feet of floor space in IST's research park building. Another 26,000 square feet of office and laboratory space is shared with the US Army, Simulation-based emergency management training is conducted at the institute's training building near Orange and
Special Academic Programs and Research Institutes

Throughout the Oak Ridge Institute for Science and Education (ORISE), the DOE facility 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 science, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering related disciplines, and details on locations benefits can be found at http://www.orau.gov/orise/educ.htm.

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)
Director: Alyse T. Polfer; National Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; al.polfer@bus.ucf.edu; www.bus.ucf.edu/sbdc.

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development as 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 a geographic area including Orange, Osceola, Lake, Volusia, Flagler, and Sumter counties. Regional centers located at Daytona Beach Community College, Brevard Community College, and Seminole Community College assist small business in those areas. Assistance is provided through workshops and individual counseling in the following areas:

- Personnel
- Marketing
- Bookkeeping
- Sources of Financing
- Business Tax
- Product Innovation
- Franchising
- Business Plan Development

Additional programs provide assistance to clients in the areas of government contracting, and international trade.

Small Business Institute
Director: Lloyd W. Fernald, Jr.; 407-823-5725

Business schools have for many years been interested in getting students out of the classroom and involved with real business problems rather than “textbook” situations. By sponsoring the Small Business Institute program, the University of Central Florida does not only satisfy this need, but at the same time provides free professional help to small businesses in need of managerial guidance.

The SBI program uses a team of senior-level undergraduate or graduate-level students who, under faculty supervision, provide management counseling and technical assistance to small business clients. Examples of these services are: general management audits, development of business plans, establishment of accounting systems, design of inventory systems, cost analysis, pricing strategies, and evaluation of alternative markets.

The major objective of the College of Business Administration at the University of Central Florida is to educate men and women for positions of productive responsibility in business and the professions. UCF’s Small Business Institute program stresses analytic ability and the student’s learning skills in recognizing and coping with change.

The Small Business Institute program at the same time provides on-the-job experience and sound academic training for the student.
## Associate of Arts Degree

University of Central Florida students who satisfactorily complete 60 semester 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 semester 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 Arts, 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:

### Burnett College of Biomedical Sciences

- **Bachelor of Science (B.S.)**
- **Majors:** Molecular Biology and Microbiology, Medical Laboratory Sciences

### College of Arts and Humanities

- **Bachelor of Arts (B.A.)**
- **Majors:** Art, Digital Media, English, Film, Modern Languages 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:** Digital Media, 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

- **Bachelor of Arts**
- **Major:** Economics
- **B.A.B.A.**

### College of Education

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

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## College of Engineering and Computer Science

### Bachelor of Science

- **Majors:** Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), 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 Allied Health Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences

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

- **Major:** Nursing

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

- **Major:** Social Work

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

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

## Rosen College of Hospitality Management

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

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

## Office of Undergraduate Studies

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

- **Major:** Liberal Studies

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

- **Majors:** Liberal Studies, Social Sciences
## Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor*</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burnett College of</td>
<td>Molecular Biology &amp; Microbiology</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td></td>
</tr>
<tr>
<td>College of Arts and Humanities</td>
<td>African American Studies, American Studies, Cognitive Sciences, Digital Media, Judaic Studies, Latin American Studies, Middle Eastern Studies, Music, Women's Studies</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business Administration (for non-Business Administration majors), Economics (for non-Business and Business majors), International Business, Management Information Systems, Marketing (for Business and non-Business majors), Real Estate (for Business and non-Business Majors), Sport Business Management (for Business Majors Only)</td>
</tr>
<tr>
<td>College of Education</td>
<td>Coaching, Early Childhood Education, Exceptional Education, Fitness Training, Technical Education and Industry Training</td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, American Humanities, American Sign Language, Communication Sciences and Disorders, Criminal Justice, Deaf Studies, Emergency Management and Homeland Security, Health Sciences, Health Services Administration, Health Information Management, Legal Studies, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Sciences</td>
<td>Anthropology, Anthropology in Multicultural Studies, Astronomy, Biology, Chemistry, European Studies, Interpersonal Communication, Magazine Journalism, Mass Communication, Mathematics, North American Indian Studies, Organizational Communication, Physics, Political Science, Political Science/Pre-Law, Psychology, Sociology, Statistics Environmental Studies, Social Sciences-Interdisciplinary</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management Event Management</td>
</tr>
</tbody>
</table>

## Academic Minors by Department

<table>
<thead>
<tr>
<th>School/Department</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multidisciplinary</td>
<td>Space Studies</td>
</tr>
<tr>
<td>Department of Aerospace Studies</td>
<td>Aerospace Studies (Air Force ROTC)</td>
</tr>
<tr>
<td>Department of Anthropology</td>
<td>Anthropology, Anthropology in Multicultural Studies</td>
</tr>
<tr>
<td>Department of Art</td>
<td>Art History, P.A.V.E., Art-Studio Biology</td>
</tr>
<tr>
<td>Department of Biology</td>
<td>Biology</td>
</tr>
<tr>
<td>Department of Chemistry</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Nicholson School of Communication</td>
<td>Interpersonal Communication, Organizational Communication, Mass Communication, Magazine Journalism</td>
</tr>
<tr>
<td>Department of English</td>
<td>Technical Writing and Editing, Creative Writing, Literature, Linguistics, Writing</td>
</tr>
<tr>
<td>Department of Film</td>
<td>Cinema Studies</td>
</tr>
<tr>
<td>Department of History</td>
<td>History</td>
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<tr>
<td>Department of Mathematics</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Department of Military Science</td>
<td>Military Science (Army ROTC)</td>
</tr>
<tr>
<td>Department of Music</td>
<td>Music</td>
</tr>
<tr>
<td>Department of Modern Languages</td>
<td>French, German, Italian, Spanish</td>
</tr>
<tr>
<td>Department of Philosophy</td>
<td>Humanities, Philosophy, Religious Studies</td>
</tr>
<tr>
<td>Department of Physics</td>
<td>Astronomy, Physics</td>
</tr>
<tr>
<td>Department of Political Science</td>
<td>Asian Studies, European Studies, Political Science, Political Science/Pre-Law</td>
</tr>
<tr>
<td>Department of Psychology</td>
<td>Clinical, Human Factors, Industrial/Organizational</td>
</tr>
<tr>
<td>Department of Sociology</td>
<td>Sociology</td>
</tr>
<tr>
<td>Department of Statistics</td>
<td>Statistics</td>
</tr>
<tr>
<td>Department of Theatre</td>
<td>Theatre</td>
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</tbody>
</table>

*Contact the college/school/department for the requirements for each minor.*

### Office of Undergraduate Studies

- Environmental Studies Minor
- Social Sciences Interdisciplinary Minor
- World Comparative Studies Minor

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.” Students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

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

Dean: P.E. Kolattukudy; BMS 136; 407-823-1312, Fax 407-823-0956
Associate Dean: Roseann White; HPA II 335J; 407-823-5932

The Burnett College of Biomedical Sciences houses the Department of Molecular Biology and Microbiology (including the Medical Laboratory Sciences program and the Office of Student Services and Advisement), the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

The Burnett College of Biomedical Sciences became the 9th college in UCF on August 10, 2004 with the goal of building a nationally and internationally recognized biomedical research and education enterprise. The college initially has over 1,400 undergraduates and 75 graduate students who, along with faculty, conduct research to find novel treatments for cancer, cardiovascular diseases, neurodegenerative diseases and infectious diseases.

Programs and Degrees

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Biology and Microbiology</td>
<td>B.S., M.S., Minor</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biomolecular Science</td>
<td>Ph.D.</td>
</tr>
</tbody>
</table>

Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BMS 136; 407-823-1312
Assistant Chair: Roseann White; HPA II 335J; 407-823-2914
Undergraduate Coordinator: Dorilyn Hitchcock; HPA II 335A; 407-823-5932
Graduate Coordinator: Karl Chai; BMS 323; 407-823-6122

Faculty: K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daniell; S. Ebert; C. Fernandez-Valle; R. Gennaro; D.
The Burnett College of Biomedical Sciences

Hitchcock; K. Iretón; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; Y. Lu; F. Morgan; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; K. Sugaya; S. Tatulian; K. Teter; J. Turkson; 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. The Molecular Biology and Microbiology programs prepare students for entry into any professional schools in health sciences, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. The 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 PhD program in Biomolecular Science.

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 morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Molecular Biology and Microbiology (BS, MS)
Tracks: Molecular Biology and Microbiology Preprofessional Track (BS)
Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (BS)

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 score of 29. More information about the admission process can be found at and in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to USF College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a BS in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Medical Laboratory Sciences

Director: Dorilyn Hitchcock; HPA II 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 body tissues and fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and skills essential to assume leadership roles in management and education; to develop a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division portion of the Program. The size of the class to be selected in the Medical Laboratory Science Program is determined by the availability of space and equipment, and available spaces in the clinical facilities. This is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAA-CLS- 8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (BS)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)

Academic Advisor: Cynthia Maria Contreras; HPA II 335H; 407-823-5767
Academic Advisor: Ana Maria Schwindt: HPA II 335G; 407-823-1259
E-mail: bcsinform@mail.ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett College of Biomedical Sciences. OSSA assists Molecular Biology & Microbiology and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Biomolecular Science Center

Director: P.E. Kolattukudy; BMS 136; 407-823-1312

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.” Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomolecular Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next five years, the Center plans to establish at least 20 new faculty research teams in biomolecular science within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in life sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomolecular science that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomolecular Science Ph.D. is a major vehicle for training. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state's growing biomedical biotechnology industry.

Degrees: Biomedical Science (Ph.D.)
Tracks: None
Minors: None

Pre-health Professions Advisement Office

Director: Gennaro Lopez; HPA I 124; 407-823-2670

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the “Academic Advising” section of this Undergraduate Catalog.
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 pursuing 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.

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 with a "Satisfactory" (S) grade Honors Symposium; and 3) meet upper-division Honors course requirements determined by college or major.

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 may receive a waiver of credit for one upper-division Honors Seminar upon completion of six or more hours of upper-division credit for the following programs: 1) University Study Abroad Program; 2) The Washington Center; and 3) Research Experiences for Undergraduates (REU) program. Students may receive a waiver of credit for one upper-division Honors Seminar upon satisfactory completion of a graduate level course while taken as an undergraduate student. Students may only receive a waiver of credit once for each category listed.

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 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

Symposium Lower-division Upper-division Major

1 hour 12 hours See requirements by College

1 When a student has an exceptionally high number of dual enrollment, Advanced Placement, CLEP, or other work that is credited toward GEP hours, he or she should consult an Honors advisor about fulfilling Honors lower-division course work requirements.

2 Honors Symposium is a one credit hour course offered in the Fall semester of each year. This course includes guest lectures, video and film presentations, and live performances by guest artists. Only one absence is permitted. A field trip is included as part of the Honors Symposium. Attendance at this series will be mandatory for all students seeking University Honors. The course is graded on a Satisfactory/Unsatisfactory basis.

3 These upper-division requirements for the completion of University Honors are under review and revision by the professional colleges.

The current 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 Laboratories Sciences, Engineering Technology, and Information Technology majors

1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division courses, Seminars, or Interdisciplinary Seminars

University Honors Upper-Division Program Requirements: College of Business Administration

1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division Business courses

University Honors Upper-Division Program Requirements: College of Clinical Health Sciences

1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division courses

Bachelor of Science Honors Requirements

1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division courses

Note: Please refer to the "UCF Courses and Descriptions" section of this Undergraduate Catalog for information on direct prerequisites for the above courses. Consult an Honors advisor to find out when these courses are being offered.

University Honors Upper-Division Program Requirements: College of Engineering and Computer Science

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
3. Complete the Honors Research Seminar

University Honors Upper-Division Program Requirements: College of Health and Public Affairs

1. Complete one Honors Interdisciplinary Seminar
2. Complete with a grade of "B" or better ZOO 3733H Honors Human anatomy
3. Complete with a grade of "B" or better PCB 3703H Honors Human Physiology

University Honors Upper-Division Program Requirements: Burnett College of Biomedical Sciences

1. Complete one Honors Interdisciplinary Seminar outside the major
2. Complete with a grade of "B" or better BSC 3404H Honors Quantitative Biological Methods
3. Complete with a grade of "B" or better PCB 4524H Honors Molecular Biology

University Honors Upper-Division Program Requirements: College of Information Technology

1. Complete one Honors Interdisciplinary Seminar
2. Complete with a grade of "S" or better STA 3032H Probability and Statistics for Engineers
3. Complete with a grade of "S" or better EGN 3310H Engineering Analysis-Statics
4. Complete with a grade of "S" or better EGN 3321H Engineering Analysis-Dynamics
5. Complete with a grade of "S" or better EGN 3573H Principles of Electrical Engineering
6. Complete with a grade of "S" or better EGN 4931H Honors Seminar-Research

University Honors Upper-Division Program Requirements: College of Medicine

1. Complete one Honors Interdisciplinary Seminar
2. Complete with a grade of "B" or better PCB 3703H Honors Human Physiology
3. Complete with a grade of "B" or better PCB 3703H Honors Human Physiology

University Honors Upper-Division Program Requirements: College of Environmental Science

1. Complete one Honors Interdisciplinary Seminar
2. Complete with a grade of "B" or better BSC 3404H Honors Quantitative Biological Methods
3. Complete with a grade of "B" or better PCB 4524H Honors Molecular Biology

An Honors Seminar normally is an upper-division offering intended for all majors. Most seminars are strongly interdisciplinary, may be team-taught, and present cutting-edge topics by faculty who must present course proposals for consideration by the University Honors Committee. Enrollments are limited to 20 students. At least one of these seminars will form part of the revised University Honors upper-division curriculum currently under adoption by each college or major.

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College

http://www.honors.ucf.edu/usf_medschool.html

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 one of the following fields in order to receive a Baccalaureate Degree from UCF:

- Molecular Biology and Microbiology
- Other majors are available using the 4 + 4 option

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 1300 or ACT of 29
- 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/usf_medschool_requirements.html

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 in BHC 102 or online at http://honors.ucf.edu/docs/HIM/himhandbook.pdf

Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than six 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. For Molecular & Microbiology students only, BSC 3404H may substitute for Honors Directed Readings. Students who enroll in the Interdisciplinary Course or in BSC 3404H will write a Thesis Proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the project or thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to form Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the last day of classes of the semester preceding 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 assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.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, Gates, 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.honors.ucf.edu/scholar_main.html. 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 scholarship does not require institutional endorsement. Students seeking more information should contact OSSFA in BHC 103 or by phone at 407-823-0325 prior to the application process.
The College of Arts and Humanities includes the following departments: Art, English, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in Judaic Studies, Latin American, Caribbean and Latino Studies, Women's Studies, Middle Eastern Studies and the School of Film and Digital Media.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 60 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the Graduate Catalog.

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

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

Preprofessional Programs

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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science; emphasis in economics should be gained through advisement in Economics programs in either the College of Arts and Humanities or the College of Business Administration; emphasis in Legal Studies can be pursued in the Department of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Prehealth Professions

The College of Arts and Humanities offers courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional section for additional information.

Advisement

Office of Academic Support and Information Services (OASIS)
http://www.cas.ucf.edu/oasis
Director: Lee Anne Kirkpatrick; CNH 202; 407-823-2492; e-mail: oasis@ucf.edu

The Office of Academic Support and Information Services (OASIS) is the primary office for undergraduate academic assistance in the College of Arts and Humanities and the College of Sciences. OASIS assists students in the Colleges with degree requirements, policies and procedures. The Office oversees General Education course evaluation and substitutions as well as evaluation and application of TSD credits.

Questions concerning University and College academic policies affecting the College of Arts and Humanities and the College of Sciences majors should be directed to the OASIS staff in CNH 202 or by calling 407-823-2492. Questions concerning University policies and procedures within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career.

Program Planning

Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by either the major department or the College.

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has four area studies programs with an international focus: Asian; Judaic; Latin American, Caribbean, and Latino 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. Contact the Office of International Studies for assistance or referral for all international inquiries regarding academic programs.

Asian Studies - Contact: Consuelo Stebbins; 407-823-2251
Judaic Studies - Contact: Moshe Pellit; 407-823-5039
Latin American, Caribbean and Latino Studies - Contact: Luis Martinez-Fernandez; 407-823-1173
Middle Eastern Studies - Contact: Husain Kassim; 407-823-2803

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 semester 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 407-862-2300.

Programs, Tracks, and Degrees

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The College of Arts and Humanities

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Degrees

African-American Studies: Program

http://www.cas.ucf.edu/africanamericanstudies

Program Director: Dr. JoAnne Stephenson; CNH 201G; 407-823-0026

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, Philosophy, 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: Consuelo Stebbins; CAS 190; 407-823-2251 Email: stebbins@mail.ucf.edu

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

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program

Contact: Consuelo Stebbins, CAS 190, 407-823-2251

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, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Department of Art

http://reach.ucf.edu/~art
E-mail: art@ucf.edu
Chair: Mark Price; VAB 117; 407-823-2676
Faculty: Abbas, Abraham, Burkhart, Burrell, Chaudhary, Cooper, Cutler, Francis, Gaudnek, Gonzalez, Hall, Haran, Haxton, Kilmer, Kim, Martin, Poindexter, Reed, Rivers, Spencer, M. Wyatt

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, fibers and fabrics, graphic design, painting, photography, printmaking, and sculpture. A Bachelor of Arts is offered in art history and both the Bachelor of Arts and the Bachelor of Fine Arts degrees are offered in the studio specializations.

Competitive scholarships and awards are available to currently enrolled full-time UCF art majors through portfolio reviews by faculty. These awards are sponsored by UCF and the Altrusa Club of Winter Park.

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

Community Arts—PAVE: Program

Program Director: Kevin Haran; 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

English: Department

http://www.english.ucf.edu
E-mail: english@ucf.edu
Chair: Thomas Krise; CH 405; 407-823-1159

Professors Emeriti: Adicks, Omans, Schiffhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, and creative, expository, and technical writing. Students may concentrate in creative writing, technical writing, 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, MFA, Ph.D)
Tracks: Literature, Creative Writing, Technical Writing
Minors: Creative Writing, Literature, Linguistics, Technical Writing and Editing, Writing

School of Film and Digital Media

Interim Director: Terry Frederick
407-823-0362
Administrative Assistant: Sue Ann Mann; 407-823-0362

Digital Media: Program

E-mail: dmdirector@mac.com
Division Head: Clint Bowers; OTC5 500; 407-823-1733
Faculty: Blue, Bowers, Cannon-Bowers, Carbone, Croft, Curari, Deaery, Frederick, Gourlay, Hadrika, Hall, Hughes, Kenny, Moshell, McDaniel, Peters, Salisbury, Stapleton, Sun, Underberg, Weaver, Wirth.

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

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

Degrees: Digital Media (BA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor, Certificate
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 international and Middle-Eastern affairs, in languages or liberal arts, in the ministry or rabbinate, and in the community at large.

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

Latin American Program
E-mail: marfern@mail.ucf.edu
Program Director: Luis Martinez-Fernandez; VAB 203, 407-823-1173

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

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
http://www.cas.ucf.edu/languages/
E-mail: foreignlanguages@ucf.edu
Chair: Paul Giordano; CNH 523, 407-823-2472
Faculty: Barberet, Barsch, Decker, Fabery, Fernandez, Ferri, Folse, Garcia, Gervasi, Korosy, Leticee, Lopez, Montalvo, Nalbone, Negy, Pollgreen, Prucha, Purmenski, Redmon, Rivera, Sipin, Spina,
The College of Arts and Humanities

Stebbins, Taylor, Trinquet-Balak, Villanueva, Vitanova, Micarelli (Professor Emeritus)

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
http://www.cas.ucf.edu/music/
E-mail: music@ucf.edu

Chair: Johnny Pherigo; CNH 205; 407-823-2869, Fax 407-823-3378


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

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. Master of Arts and a Master of Education degrees in Music Education are offered by 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), Music Education (BME), Music Performance (BM)

Tracks: Music Performance, Composition

Minors: Music

Department of Philosophy
http://www.cas.ucf.edu/philosophy
E-mail: philosophy@ucf.edu

Chair: Shaun Gallagher; CNH 411; 407-823-2273

Faculty: Cash, Compson, Congden, Coverston, DiBernardo, Evans, Hawkins, Jaeger, Jane, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, VanHook

The Department of Philosophy offers a Philosophy major and a Humanities major, with tracks in multicultural Humanities and in Religious Studies, as well as minors in Philosophy, Humanities, Religious Studies, and Cognitive Sciences. The Department requires Philosophy and Humanities majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor when picking up their registration form and schedule booklet. For any course used to satisfy a requirement (including electives) of either the Philosophy major or the Humanities major, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Humanities (BA), Humanities Religious Studies (BA)

Tracks: Regular and Honors

Minors: Philosophy, Humanities, Religious Studies, Cognitive Sciences

Department of Theatre
http://theatre.ucf.edu
E-mail: theatre@ucf.edu

Chair: Roberta Sloan; UTC 111; 407-823-2862.

Faculty: Alrutz, Bell, Boyd, Brotherton, Brown, Chicurel, Colombos, Flannery, Harris, Helsing, Huaixiang, Ingram, Larntonox, Lee, Listengarten, Melita, Niess, Ruscella, Rusnock, Schellhardt, Scott, Seay, Shafer, Siegfried, Smith (Professor Emeritus), St. Claire, Stribling, Tollefson, Vernon, Weaver, Woods, Wooten, Wuehrman

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 both 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, Design, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies

Minors: Dance, Theatre

Women’s Studies: Program
http://www.cas.ucf.edu/womensstudies
E-mail: womensst@ucf.edu

Program Director: L. M. Logan; CNH 201H; 407-823-6502

Faculty: Preston, Oliver

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies, in cooperation with several departments. The program examines women’s situation and contributions in past and present societies, women’s issues, and theories concerning women and gender.

Degrees: BA (Liberal Studies)

Tracks: Women’s Studies Track in Liberal Studies

Minors: Women’s Studies, Certificate
College of Business Administration
Dean: Thomas L. Keon, BA 230; 407-823-2181
Associate Dean: Bradley M. Braun, BA 230L; 407-823-5094
Associate Dean: E. Taylor Ellis, BA2 101-W; 407-823-2187

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. 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 when the following are complete:

- Completion of the University General Education program, or an AA degree from a Florida Public Community College, and a 2.0 GPA.
- Common Program Prerequisites with a 2.0 GPA and "C" or better in each class.

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.

BE2010

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

GEB 3031 Cornerstone
GEB3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools II
FIN 3403 Business Finance
MAN 3025 Management of Organizations
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 semester 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 semester hours in the Fall and Spring terms, and 14 semester 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 courses as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.
3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements
   b. The one year Accounting and Economics sequence
   c. College Algebra
   d. CGS 2100
4. 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.
5. A minimum of 12 semester hours must be completed at UCF within each individual major and 30 hours within the UCF College of Business.

Advisement

Undergraduate Student Services
Director: Helen Y. Hill; BA2 101; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BAII 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/

Programs and Degrees

Title: Accounting
Degree: BSBA, MSA, MST
Business Administration
MBA, Ph.D.
Economics
BSBA, MAEE, PH.D.
Finance
BSBA
General Business
BSBA
Management Information Systems
BSBA, MS
Management
BSBA, MS HR
Marketing
BSBA
Business (Regional campuses only)
BABA

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: Bandy, Bobek, Dwyer, Evans, Goldwater, Johnson, Judd, Kellner, Klintworth, Lacy, Mahoney, Roberts, Roush, Savage, Smith, Vaughen, Veit, J. 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 basic conceptual accounting and business knowledge as a foundation for accounting career development. The undergraduate degree also is the first step toward becoming a Certified Public Accountant, Certified Management Accountant and Certified Internal Auditor. The Kenneth G. Dixon School of Accounting also offers master’s degrees in accounting and taxation. These programs complete the education required to become a CPA. A rigorous and comprehensive accounting curriculum at UCF focuses on the real-world challenges of accounting, emphasizing problem
solving, information analysis and computer applications.

**Distinctive Benefits**
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

**Degrees:** Accounting (BSBA, MSA, MST)

**Minors:** Accounting

**Department of Economics**

*Chair:* W. Milton; **BA 305-D; 407-823-3266, econometrics@bus.ucf.edu**

*Faculty:* Anton, Braun, Buhagiar, Caputo, Dickie, Elston, Euzen, Finnoff, Gerking, Gibbs, Hamilton, Harrison, Hoffer, Hosni, Im, Martin, Mchone, Mikhail, Milton, Moore, Pennington, Potter, Rungeling, Rutstrom, Sccotini, Soskin, Tramell, Underwood, White

*Faculty Advisor:* R. Pennington; **BAZ 303-B; 407-823-2640**

Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in economics equips individuals to both better understand and seek solutions to these issues. The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

**Distinctive Benefits**
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of economics electives.
- International Perspective: Exposure to the global economy through the International economics electives (10), including Area Studies (Europe, Japan, China, Pacific Rim, and Mexico).
- Interdisciplinary Linkages: Economics links with many other disciplines allowing for double majoring in Finance, General Business, 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, MAAE, Ph.D.)

**Minors:** Economics (BA)

**Department of Finance**

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

*Faculty:* Ajayi, Atkinson, Block, Borde, Byrd, Chen, Cheney, Choi, Dailymple, Frye, Gilkeson, Gregg, McQuillen, Modani, Park, Ragozzino, Ramanian, Scott, Schnitzlein, Singer, Smith, Weaver, Wytche

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, Residential Real Estate, Corporate Finance, Investments

**General Business**

*Faculty Advisor:* B. Moore; **BA 466; 407-823-5256**

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, Arnaud, Barringer, Becker, Bogumil, Butcher, Callahad, Connell, Fernald, C. Ford, R. Ford, Holland, Houseman, Keon, Migenes, McDonald, Putchiniski, Quinn, Schminke, Stone, Sussan, Uhl-Bien, 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 organisations, 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.
Department of Management Information Systems

Chair: P. Cheney; BA 308; 407-823-3106, Fax 407-823-2389

Faculty: Courtney, Goodman, Haynes, Hightower, Hornik, Jiang, Johnson, Leigh, McNamara, Porth, Odisho, Saunders, Szymanski, Thienel, Tidwell, Van Slyke, 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 area.

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

The MIS major is ideal for students who excel at solving problems and who can take 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 between large and small companies, emerging or stable industries, and from among a multitude of career paths.

Distinctive Benefits
- Challenging field of study that rewards inquisitive students who are willing to work toward a goal.
- 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

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/index.htm, or call 407-823-2108. Department office is located in BA 353.
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, exceptional, physical, technical education, and sports and fitness professionals. The College of Education is dedicated to preparing professional educators/reflective practitioners who meet the needs of our schools and society.
The College of Education

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 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 common program prerequisite courses

Transfer Notes:
Courses transferred from private and out-of-state schools 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 Common Program Prerequisites sections because the revision of State Board of Education Rule 6A-5.066 has made programs highly prescriptive, which may result in additional coursework to satisfy degree requirements. Students are responsible for all ESOL assignments for all UCF ESOL-infused courses that may be transferred from other institutions.

New student will:
1. Meet college advising representatives in a group setting during Orientation:
   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 Services (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723; and,
3. Be assigned to a faculty advisor in the area of their major upon completion of College of Education admission requirements. The faculty advisor’s name and telephone number appear on the SASS Degree Audit and in Polaris to assist students in making an advising appointment.
4. Purchase LiveText software at the beginning of the first semester of enrollment in the College of Education and utilize, based on program requirements.

Continuing students will:
1. Set up an appointment with their faculty advisor if accepted in a major or the Office of Student Services, 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 SASS Degree Audit through Polaris; Students must complete any extenuating circumstances may register in person in the College of Education Office of Student Services. Students must complete any changes to their schedules by the end of the published Add/Drop period; and,
3. Utilize LiveText software based upon program requirements.
4. File an “Intent to Graduate Form” in the College of Education by the end of the term prior to the term in which graduation is intended.

Office of Student Affairs

Executive Director: Tina Smilie, ED 110, 407-823-3723
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 organized into the Offices of Clinical Experiences, Minority Programs In Education, and Student Services.

Mission Statement

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

Office of Clinical Experiences

Director: Carolyn Walker Hopp; ED 110, 407-823-2436
http://reach.ucf.edu/~edintern

Clinical experiences provide students with a broad range of instructional experiences in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of every degree program and consist of early field experiences as well as Internship I and Internship II. Placement of students is the responsibility of the College of Education.

Students must be aware: if they have been arrested for certain crimes, they may not be able to be placed in internships and/or hired as a teacher. All school districts require fingerprinting prior to Internship I. All applications for internships are made through the Office of Clinical Experiences.

Application deadlines for all Internships are as follow:
March 1 for Fall semester
September 15 for Spring semester

Admission to Internship I

Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements:

- Have on file in the University admissions office passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers are 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-” (1.75) or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online by deadlines listed above
- Meet any special departmental requirements
Be recommended by the faculty of the department of the student's major

Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers under the direction of a university coordinator. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair.

Admission to Internship II

Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student's last semester. Internship II is considered a full-time experience, and students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Admission to Internship II will be granted when students have met the following requirements:

- Successfully complete Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers are accepted)
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75) or better in all prerequisite methods/specialization courses, and a minimum GPA of 2.5 is required in the professional preparation and specialization areas.
- Complete a formal application for Internship II by deadline
- Be recommended by the faculty of the department of the student's major
- Meet any special departmental requirements

Students must also have completed all methods courses and most of their specialization courses. Some programs (such as Elementary Education) 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.

Office of Minority Programs in Education

Director: TBA; ED 110, 407-823-0184
http://pegasus.cc.ucf.edu/~mpie/
The Office of 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
- Submit Scholarship Application

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

Office of Student Services

Director: Andrea Withington, ED110, 407-823-3723
http://pegasus.cc.ucf.edu/~stuservw/
The College of Education Office of 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 the Office of Student Services. Students are assigned a faculty 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 Services or at http://www.edcollege.ucf.edu/ (click on Student Services).
U.S. Courses and Descriptions

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in the 3000/4000 level courses taught by the College of Education after they have been admitted to the College.

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5, a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines to meet graduation requirements.

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.

Department of Educational Studies

Chair: Karen L. Biraimah; ED 209B; 407-823-2426
Assistant to the Chair: Ximena Mejia; ED 206-E; 407-823-6579
Faculty: Ackley, Allen, Alvarez, Becker, Boote, Brown, Condly, Gill, Slut-Eriksson, Goodman, Hewitt, Holt, Hutchinson, Johnson, Kaplan, Koger, Luckett, Lue, Meyer, Miller, Munroe, Offer, Short, Stewart

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 Curriculum and Instructional Doctoral Program and the Graduate Certificate in Initial Teacher Preparation. The Department houses the Masters of Education in Curriculum and Instruction Program, with M.Ed., M.A. 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.

Department of Child, Family, and Community Sciences

Chair: TBA; ED 209-H; 407-823-2595
Assistant to the Chair: Roanne G. Brice; ED 206-D; 407-823-0664
Faculty: Albers, Balado, Blanes, Casado, Cross, Daire, Dieker, Edwards, Engehart, Ezell, Fuller, Hartle, Hayes, Hines, Hughes, Jennings, Jones, Klein-Ezell, Lambie, Little, Manning, Martin, Miller, Mumford, Oliva, Platt, Ray, Robinson, Szentze, Taub, Thomas-Richmond, Wienke, Young

Undergraduate academic major programs leading to bachelor’s degrees and certification are offered in Child, Family and Community Sciences. Students majoring 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 special education are certified K-12 in exceptional student education. Students are responsible for completion of program requirements and are encouraged to review their programs with an assigned advisor.

Several graduate level programs are available in the department:

The Master of Education in Exceptional Education: Exceptional Student Education is available for teachers already certified in an area of exceptional education, whereas the Master of Arts in Exceptional Student Education is designed for non-education majors or previously certified teachers in another field. Each program may lead to teacher certification.

Certification and Master’s level programs are available in Early Childhood Education and Counselor Education, with an emphasis on school counseling or mental health counseling. A Specialist Program is available in School Psychology. A graduate level certificate program is available in Sports Leadership. The Ph.D. in Education is available with tracks in Counselor Education and Exceptional Education.

Department of Teaching and Learning Principles

Chair: Robert Williams; ED 209-D; 407-823-4836
Assistant to the Chair: Dr. Lawrence Mione, ED 206-C, 407-823-0585

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 post-secondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, Sports and Fitness, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, Educational Media, K-8 Mathematics and Science Education, Mathematics Education, Music Education, Physical Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education and Elementary 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, Foreign Language (French or Spanish), and Physical Education.

Department of Educational Research, Technology and Leadership

Chair: Conrad Katzenmeyer; ED 209D; 407-823-4835
Assistant to the Chair: Christine Karper; ED 206B; 407-823-0623

The Department of Educational Research, Technology and Leadership provides graduate programs in the following areas: Educational Leadership, Research, Evaluation and Assessment, Technology, Higher Education and Policy Studies.
College of Engineering and Computer Science

Dean: Neal C. Gallagher; ENG2 202; 407-823-2156
Interim Executive Associate Dean for Research: Debra Reinhart; ENG2 202; 407-823-2156
Associate Dean for Academic Affairs: J. F. Nayfeh; ENGR 107; 407-823-2455
Assistant Dean for Distributed Learning: Samuel Richie; ENGR 289; 407-823-5765
Director, Academic Support Services: Melissa Dagley-Falls; ENGR 107; 407 823-2455
Director, of College Honors Programs: Mohamed Abdel-Aty, ENGR2 301H 308; 407-823-21795657
Website: http://www.cecs.ucf.edu
Assistant Dean for Distributed Learning:
Samuel Richie; ENGR 289; 407-823-5765
Director, Minority Engineering & Computer Science Programs: Jacqueline Smith; ENGR 281; 407-823-3466
The College of Engineering and Computer Science

Undergraduate Majors and Degrees

Aerospace Engineering - BSAE
Civil Engineering - BSEE
Civil Engineering - Construction Engineering Concentration - BSECE
Computer Engineering - BSCE
Computer Engineering - Software Engineering Concentration - BSCE
Computer Science - BSEE
Electrical Engineering - BSEE
Electrical Engineering - Wireless Communication Concentration - BSEE
Electrical Engineering Technology - BSET
Electrical Engineering Technology - Computer Systems Concentration - BSEET
Electrical Engineering Technology - Electroical Systems Concentration - BSEET
Electrical Engineering Technology - Photonics Concentration - BSEET
Engineering Technology - Design Concentration - BSET
Engineering Technology - Operations Concentration - BSET
Engineering Technology - Space Systems Concentration - BSET
Environmental Engineering - BSEnE
Industrial Engineering Technology - BSET
Information Systems Technology - BS
Information Technology - BS
Mechanical Engineering - Energy Systems Concentration - BSME
Mechanical Engineering - Mechanical Systems Concentration - BSME
Mechanical Engineering - Materials Concentration - BSME

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Departments of Civil and Environmental 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 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 Goals

A national 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 technician, 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 entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

College Vision

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 (SEECS) and three engineering departments: the Civil and Environmental Engineering (CEE) 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 the Computer Science Department, and Information Technology, and Electrical and Computer Engineering. The Engineering Technology Division is comprised of the Engineering 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, except Information Technology, also offer advanced studies leading to a Master’s degree, and in some cases, the Doctor of Philosophy (Ph.D.) degree. Interested individuals should see the College 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 fully accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238. ABET is recognized by the U.S. Department of Education as the sole agency responsible for accreditation of educational programs leading to degrees in engineering, engineering technology, and related engineering areas. The Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238.

The Engineering Technology Division and Department offers baccaulaureate concentrations in Design, Operations and in Space Sciences, leading to the Bachelor of Science in Engineering Technology (BSET) degree, and concentrations in Electrical Systems, Computer Systems, and in Photonics, all leading to the Bachelor of Science in Electrical Engineering Technology (BSEET) degree. Both the BSET and BSEET, with the exception of the new Photonics concentration, degrees are accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc., 111 Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410) 625-2238, Fax: (410) 347-7700.
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 comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog) and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six semester hours of graduate credit. The latter will result in an undergraduate thesis which will describe 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 semester hours, including at least 12 graded, upper division semester 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/Engineering Technology/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be made to the College of Engineering and Computer Science Honors 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.

The College of Engineering and Computer Science

Interim Chair: A. Gonzalez; ENG2 211; 407-823-2841, Fax: 407-823-3315

Faculty: Abdel-Aty, Al-Deek, Catbas, Chang, Chopra, Cooper, Dietz, Hagen, Kuo, Nnadi, Oloufa, Radwan, Randall, Reinhart, Taylor, Wanielista, Wayson, Yeh, Zhao

The Civil and Environmental Engineering Department (CEE) offers baccalaureate degrees in both Civil Engineering (BSCE) and Environmental Engineering (BSEnV).

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, transportation engineering, and construction 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. Students in the Civil Engineering withConstruction option are required to take two Project Design Courses (Construction Design Project and Geotechnical Engineering Design). 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 strives to create a high quality learning experience for our students. The principal goals include:
1. Promote a broad 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.
The College of Engineering and Computer Science

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 life-long learning, professional licensure, and service to the profession and society.

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

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

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

Mission
The Environmental Engineering Program Faculty 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 life-long learning, professional licensure, and service to the profession and society.

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

Department Policy for Double Major in Civil and Environmental Engineering
The faculty of the Civil and Environmental Engineering Department believe that a double major from our 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 or Environmental Engineering desiring to obtain a double major disciplines shall meet the following requirements:

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

Additional notes:

- All students, by meeting the requirements for each degree, will be able to represent themselves as either a Civil Engineer or an Environmental Engineer or both.
- The double major program for a student must be approved by the Chair in the final year. This eliminates last-minute confusion by the student and allows the Chair time to review the technical elective and the specific design courses being taken by each student.
- The 24 hours represents two additional semesters of full time enrollment and represents the minimum requirements for a second degree.
- The 24 hours of courses would include all the required courses of the other discipline (15 hours) plus two additional capstone design courses plus one technical elective (as approved by the Chair).
- The double major will be so indicated on one diploma. If a student desires two separate diplomas, a B.S.C.E. and a B.S.Env.E., this is permitted for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

Director: Dr. Issa Batarseh; Harris Corp Engineering Center; 437D; 407-823-2787
Faculty: Allen, Bassiouni, Batarseh, Bauer, Berrios, Boloni, Brigham, Chatterjee, Demara, Deo, Dutton, Einioui, Favorov, Foroosh, Frederick, Georgiopoulos, Gerber, Gomez, A. Gonzalez, F. Gonzalez, Guha, Haralamous, Heinrich, Hughes, Jones, Kasparis, Klee, Kocak, Lang, Lee, Leeson, Liou, Lisetti, Llewellyn, Lobo, Mallocha, Marin, Marinescu, Mikhail, R. Miller, Moshell, Mukherjee, Orooji, Parsons, Pattanaik, Petrasko, R. Phillips, Qi, Reinhard, Richel, Rogers, Rolland, Schiavone, Shah, Shen, Sundaram, Turgut, Vemulapati, Wahid, Wei, Workman, A. Wu, T. Wu, Yuan

The Computer Science Program
The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see Graduate Catalog), and Doctor of Philosophy (see Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science, Applied Computer Science, and Computer 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 biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, machine learning, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, 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 SCS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the computer science home page at http://www.cs.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.

Objectives

1. CS majors should be practiced in the design and analysis of algorithms using mathematical and statistical methods and techniques.
2. CS majors should be proficient in the use of modern and widely-used programming languages.
3. CS majors should be practiced in abstract reasoning and modeling of complex real-world systems.
4. CS majors should be practiced in oral and written communication skills, particularly as these skills apply to the dissemination of technical information on subjects dealing with computing technology and applications.
5. CS majors should be practiced in the use of state-of-art software development methodologies, tools and language.
6. CS majors should be highly competitive in securing entry-level positions in software and computer system development industries.
7. The top fifteen percent (15%) of all graduating CS majors shall be qualified and prepared for pursuing graduate studies in the top tier graduate schools in Computer Science.

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, a course in ethics, and five upper division courses in an area outside information technology will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. Basically, students will have an interdisciplinary core in which the principles and practices of the three disciplines of the School are presented in a cohesive, connected manner. They will then create their own multidisciplinary component by taking upper division courses that are typically outside the College of Engineering and Computer Science.

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.

Objectives

1. Graduates will learn the principles and practices of information technology, along with the mathematical and engineering foundations of this discipline.
2. Graduates will obtain the skills to solve complex problems via the development of models, and the design, implementation, and analysis of computer realizations of these models.
3. Graduates will receive an education that enables them to design, implement, and administer complex distributed information systems, including the archival databases and the communication infrastructures associated with such systems.
4. Graduates have the opportunity to obtain a strong background in at least one discipline, outside information technology, in which information technology plays a critical role.
5. Graduates will be prepared for successful careers in information technology. This preparation will include the abilities to work in teams, to communicate effectively, and to experience a lifetime of learning.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Engineering (M.S.E.) and Doctor of Philosophy (Ph.D.) are also offered.

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program

The Computer Engineering program contains a minimum of 24 credit hours of design experience, which includes courses listed as Computer Systems Design I and II (EEL 4767C and EEL 4768C), Engineering Applications of Computer Methods (EEL 4832), Computer Engineering Data Structures (EEL 4851C), and Introduction to Digital Circuits and Systems (EEL 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the Bachelor of Science in Computer Engineering Degree Program is to prepare students to become highly skilled in the principles and practices of computer engineering and develop computer engineers that meet market needs.

Objectives

1. Graduates will acquire sufficient academic competence in fundamental math, science, and engineering principles for employment in computer engineering.
2. Graduates will acquire sufficient academic competence for advanced graduate studies.
3. Graduates will demonstrate overall competence in the computer engineering discipline, including the ability to design systems and processes, conduct and analyze experiments, and learn and utilize computer skills.
4. Graduates will demonstrate overall competence in communication skills, computer skills, and problem solving skills, and the ability to work in interdisciplinary teams.
5. Students are recognized by their employers for their knowledge and skills in solving real world problems, and for their professionalism.

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 18 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEL 3307C and EEL 4309C), Digital Signal Processing (EEL 4750), Signal Analysis and Communication (EEL 3552C), Computer Systems Design I (EEL 4767C), Networks and Systems (EEL...
The College of Engineering and Computer Science

3123C) and Digital Circuits and Systems (EEL 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

Mission
The mission of the Bachelor of Science in Electrical Engineering Degree Program is to educate students to become highly skilled in the principles and practices of electrical engineering and develop electrical engineers that meet market needs.

Objectives
1. Graduates will acquire sufficient academic competence in fundamental math, science, and engineering principles for employment in electrical engineering.
2. Graduates will acquire sufficient academic competence for advanced graduate studies.
3. Graduates will demonstrate overall competence in the electrical engineering discipline, including the ability to design systems and processes, conduct, and analyze experiments, and learn and utilize computer skills.
4. Graduates will demonstrate overall competence in communication skills, computer skills, and problem solving skills, and the ability to work in interdisciplinary teams.
5. Students are recognized by their employers for their knowledge and skills in solving real world problems, and for their professionalism.

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 advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems
Chair: Lesia Crompton-Young; ENG2 312; 407-823-2204, Fax 407-823-3413

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

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

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer. Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4116 and EIN 4891.

Mission
To produce industrial engineering professionals and leaders who, working alongside their coworkers, can design and improve operations in industry, business, and government, making them more productive, more responsive, and producing goods and services of higher value to the customer for the global economy of the 21st century.

Objectives
1. BSIE graduates will demonstrate knowledge of math, science, and engineering fundamentals. Specifically, the student will have the ability to:
   - Demonstrate general design principles.
   - Use fundamental engineering techniques, skills, and tools for engineering practice.
   - Analyze and interpret data to produce meaningful conclusions and recommendations.
2. BSIE graduates will demonstrate competence in the professional practice of industrial engineering, effectively using both technical and qualitative skills. Specifically, the student will have the ability to:
   - Design systems, components, and processes to meet desired needs.
   - Identify, formulate, and solve industrial engineering problems.
   - Use industrial engineering techniques, skills, and tools for engineering practice.
   - Be a productive member of multi-disciplinary teams.
   - Communicate effectively in both written and spoken presentations.
   - Incorporate contemporary issues into the practice of industrial engineering, including global communication.
   - Have the knowledge to become a Professional Engineer (PE) in the IE discipline.
3. BSIE graduates will understand the leadership responsibilities of a practicing engineer. Specifically, the graduate will understand the need to:
   - Make decisions in light of professional and ethical responsibilities.
   - Understand the impact of engineering solutions in a global and societal context.
   - Understand contemporary issues in the practice of industrial engineering.
   - Engage in life-long learning.
4. BSIE graduates seeking professional employment or admission to graduate education programs will be successful in doing so within six months of graduation.
5. IEMS students will receive relevant curriculum content in a learning environment that facilitates learning and retention.

The mission statement and objectives for the Industrial Engineering programs are electronically posted and continuously updated. More information on the Industrial Engineering program can be found on the Industrial Engineering Department home page at http://www.iems.ucf.edu/.

Department of Mechanical, Materials, and Aerospace Engineering
Chair: Ranganathan Kumar; ENGR 307; 407-823-2416, Fax 407-823-0200
Faculty: An, Bishop, O., Chen, R. Chen, Chew, Cho, Chow, Coffey, Conway, Desai, Fang, Hagedoorn, Ham, Igbusi, Johnson, Kalita, Kapat, Kar, Kassab, Klemenz, Leonesa, Lin, Minardi, Moslehy, Nayfeh, Nicholson, Peterson, Seal, Sohn, Suryanarayana, Vaidyanathan, Wang, 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 aerody-
namics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics in heat transfer, and structural and materials 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 course and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality aerospace engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be lifelong 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.

Aerospace Engineering Program Educational Objectives and Outcomes
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.

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.

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

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

Mission: Mechanical Engineering
In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be lifelong 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.

Engineering Program Educational Objectives and Outcomes
Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.

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

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

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

Department of Engineering Technology
Chair: R. Eaglin; ENGR 207; 407-823-5937, Fax 407-823-4746
Program Coordinator: BSET Programs: L. Morse; ENGR 207; 407-823-4742
Program Coordinator: BSEE Programs: A. Rahrooh; ENGR 207; 407-823-4749
Program Coordinator Information Systems Technology: B. Motlagh; ENGR 207; 407-823-4748
Faculty: Burroughs, Coowar, Craiger, Divo, Ducharme, Mehrabian, Miscioni, Morse, Motlagh, Osborne, Rahrooh, Shepard

Mission
The mission of the Engineering Technology program is to educate students to become professional technologists who meet the current needs of industry.

Objectives
1. Provide excellent curriculum content (e.g. math, science, and engineering technology principles, discipline-related topics and skills, and competencies in communication, problem solving, teamwork) to prepare students for professional practice in engineering technology.
2. Provide an educational program so graduates are successful in attaining professional employment.
3. Provide an excellent learning environment so the graduates are competitive with other BS Engineering Technology graduates from other U.S. institutions.
4. Provide educational content so graduates understand and value professional ethics, integrity, and diversity.

The mission statement and objectives for Engineering Technology are electronically posted and continuously updated. More information on the Engineering Technology programs can be found on the ENT Department home page at http://www.ent.ucf.edu.

Bachelor of Science in Electrical Engineering Technology (BSEE)
This program in electrical engineering technology, leading to the BSEE 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, there-by 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
The College of Engineering and Computer Science

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.

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.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)
Chair: Col. William G. Palmy; Trailer 501, Room 103; 407-823-1247, Fax 407-823-2265
Faculty/Staff: Captain Williams, Captain Ellingson, Captain Little, TSgt Fields, SSgt Crawford, 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-year Air Force ROTC programs. The four/three-year program provides on-campus study during the freshman and sophomore years. The two year program allows community college transfers to the specific academic year remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com/.

Curriculum

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

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

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

Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to those 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 Test each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or six 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 $350 or $400 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased at four, three, and two year opportunities. This system provides opportunities to those students enrolled in certain academic majors. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

Summer Training

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL, Tyndall Air Force Base in Panama City, FL or Ellsworth AFB in Rapid City, SD. 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 six-week summer course, which includes a modified version of the General Military Course, is required for students entering the two-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 on-one counseling sessions conducted with each candidate by detachment officers.

Army ROTC (Military Science)
Chair: LTC Allison R. Reinwald; Trailer 501, Room 110
Faculty/Staff: LTC Christensen, MAJ Fallon, CPT Brown, CPT
A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302), open to both men and women, are designed for four-year participants and are normally offered during the freshman and sophomore years. These courses specialize in small unit tactics, 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 how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who desire a commission as a Second Lieutenant are contracted and paid a tax-free subsistence of $350.00 per month up to 10 months during their Junior year and $400.00 per month during the Senior school year. Each student is required to take courses that meet the Army's Professional Military Education Requirements. Students must meet pre-requisite requirements and must obtain permission from the department chair prior to participating in the Advanced program/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, Basic Camp (LTC), JROTC, prior military service or permission of the Department Chair
- Must be at least 17 years of age at the time of entry, but not more than 30 years of age at the time of commissioning (30-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Advanced Military Science Course receive a tax-free monetary allowance of $450.00 or $500.00 per month during the 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, books and fees for Fall and Spring semesters. In addition, all contracted scholarship students also receive the $300.00, $350.00, or $450.00, or $500.00 monetary allowance per month during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit

Placement credit is offered to all students with prior service. Prior service experience waives the required Basic Courses. Prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service does waive the Basic Courses, if a prior service student desires, he/she may elect to enroll in the Basic Courses.

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)

A student can earn placement credit for the Basic Course classes and allowed entry into the Advanced Course by attending a six-week course at Fort Knox, Kentucky; thereby allowing completion of all requirements for commissioning within two years. Students attending the summer course receive approximately $700.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense.

2. Specialized Summer Training Courses

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

3. Leadership Development and Assessment Course (LDAC) All 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. Students normally attend LDAC after their junior year and receive approximately $800 pay for the training.
The College of Health and Public Affairs houses six departments and schools: the School of Nursing, the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice and Legal Studies, Health Professions, and Public Administration.

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 and in Nursing, 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 programs. Acceptance by or registration at the University does not constitute admission to the following: Schools of Nursing and Social Work, and the Programs in Athletic Training, Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences.

Application must be made to the appropriate program in health sciences. For Social Work and Nursing, contact the appropriate School. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College website.

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

Academic Advisement

Office of Undergraduate Student Services

Director: Judith A. Sindlinger; HPA2 115; 407-823-0010; Email: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Office of Undergraduate Student Services assists undergraduate 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 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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<th>Major</th>
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<td>Cardiopulmonary Sciences</td>
<td>BS</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health 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>
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<td>Legal Studies</td>
<td>BS, BA</td>
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<tr>
<td>Nursing</td>
<td>BSN, MSN, PhD</td>
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<tr>
<td>Public Administration</td>
<td>BA, BS, MPA, MM</td>
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<tr>
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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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THE COLLEGE OF HEALTH AND PUBLIC AFFAIRS
**Department of Communication Sciences and Disorders**

[http://www.cohpa.ucf.edu/comdis](http://www.cohpa.ucf.edu/comdis)

**Chair:** Dr. Bernard McCarthy; HPA 311; 407-823-2603


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.

**Criminal Justice Program**

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.

**Legal Studies Program**

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 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. The Department also supports Phi Alpha Delta, the professional law school fraternity. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

**Degrees:** Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)

**Tracks:** None

**Minors:** Criminal Justice, Legal Studies


**Department of Health Professions**

**Chair:** Diane M. Jacobs; HPA 210; 407-823-2359


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 Allied Health Track 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:** Jeff Ludy; HPA 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 CAHEP of the American Medical Association. The cardiopulmonary sciences program is a limited access program and requires a separate application to the program submitted by February 1st of the year in which admission to the program is sought.

**Degrees:** Cardiopulmonary Sciences (BS)

**Tracks:** None

**Minors:** None

**Program in Health Information Management**

**Director:** Tom Falen; HPA 210; 407-823-2369

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). This 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 exam. By successfully passing the exam, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

Degrees: Health Information Management (BS)
Tracks: None
Minors: Health Information Management

Program in Health Sciences-Athletic Training
Director: K. Schellhase; HPA2 124; 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Program in Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an 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 Athletic Trainer's Association Board of Certification (BOC) Exam. By successfully passing the exam, the student 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 Allied Health Track
Director: T. Falen; HPA2 210; 407-823-2369

This program is a preparatory program for Graduate Level Clinical Disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: Generalist
Minors: Health Sciences

Program in Health Services Administration
Director: T. Falen; HPA2 210; 407-823-2369

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 are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment and integrated delivery mechanisms.

People within the health care industry with associate degree in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program providing a migration path from the clinical side of the health care industry to the leadership side. Students without a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Degrees: Health Services Administration (BS, MS)
Tracks: None
Minors: Health Services Administration, Health Sciences

Program in Radiologic Sciences
Director: T. J. Edwards III; HPA2 210; 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences 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 “Articulated A.S. to B.S. Degree 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.
The virtues of public sector employment are numerous. First, the range of employment opportunities is extraordinary and includes a variety of management and staff positions in city and county management, environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration, and emergency management, among others. Second, the salaries are generally highly competitive with private industry, despite common misconceptions to the contrary. Third, public sector employment provides people with the opportunity to “make a difference” for society and help individuals one at a time. Fourth, it provides a superior stability and continuity of career. Those seeking to work in a field of the non-profit sector will find it booming as the intergovernmental system increasingly delegates the delivery of services to nonprofits.

The College of Health and Public Affairs

Department of Public Administration

Chair: Dr. Mary Ann Feldheim; HPAD 238; 407-823-2604
Faculty: Colby, Collins, Feldheim, Jurie, Korosec, Kapucu, Lawther, Liou, Morin, Rogers, Wang

The Department of Public Administration offers a variety of degrees, minors, and a certificate to provide students with a broad understanding of the public management or nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number. 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 enables students to attain entry level positions in government and other nonprofit organizations, and subsequently to advance within their 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.

The virtues of public sector employment are numerous. First, the range of employment opportunities is extraordinary and includes a variety of management and staff positions in city and county management, environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration, and emergency management, among others. Second, the salaries are generally highly competitive with private industry, despite common misconceptions to the contrary. Third, public sector employment provides people with the opportunity to “make a difference” for society and help individuals one at a time. Fourth, it provides a superior stability and continuity of career. Those seeking to work in or already employed in the non-profit sector will find it booming as the intergovernmental system increasingly delegates the delivery of services to nonprofits.

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College of Optics and Photonics: CREOL and FPCE

Director: Eric W. Van Stryland; 407-823-6800; E-mail: info@creol.ucf.edu; Website: http://www.creol.ucf.edu

The College of Optics and Photonics: CREOL and FPCE is a graduate school for research and education in optics, lasers, and photonics. It 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 (Center for Research and Education in Optics and Lasers) and FPCE (the Florida Photonics Center of Excellence) are the research arms of the The College of Optics and Photonics. The School offers Masters (MS) and Doctoral (PH.D.) Degrees in Optics. The College of Optics and Photonics/CREOL has become an internationally recognized institute with 25 faculty members, 30 Ph.D. level research scientists, and 137 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 83,000-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 $35 million in state-of-the-art equipment.

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, 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 $18,000 to $27,500, 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.

The College has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program provides industry with benefits of cutting-edge research and access to the expertise and facilities of the College. Faculty members also team with Florida-based 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

Interim Dean: Peter Panousis; CAS 190; 407-823-1997
Associate Dean: Michael Johnson; CAS 190; 407-823-3491
Associate Dean: Jack McGuire; CAS 190; 407-823-3684
Associate Dean: Haven Sweet; CAS 190; 407-823-2992

The College of Sciences, one of the largest academic units 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 35 baccalaureate, graduate, and preprofessional 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 a minimum G.P.A. (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses. Consult the program requirements and a departmental advisor for specific programs. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Office of 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: 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 writing, 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 about 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 section for additional information.

Advisement

Office of Academic Support and Information Services (OASIS)
http://www.cas.ucf.edu/oasis
E-Mail: oasis@mail.ucf.edu
Director: Lee Anne Kirkpatrick
CNH 202; 407-823-2492

The Office of Academic Support and Information Services (OASIS) is the primary office for undergraduate academic assistance for both the College of Arts and Humanities as well as the College of Sciences. OASIS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission for suspended students, and graduation. Questions concerning University and College academic policies and requirements should be directed to OASIS. Questions concerning the requirements within a major or minor should be directed to the department offering the program. The student should contact the department early in his/her academic career. For additional information about OASIS, please visit our website.

Programs and Degrees

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<td>BA</td>
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<tr>
<td>Anthropology</td>
<td>BA, MA, Minor</td>
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<td>Astronomy</td>
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<td>Chemistry</td>
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<td>Mathematics</td>
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<td>Physics</td>
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<td>Political Science</td>
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<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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</tbody>
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Departments and Programs

Anthropology: Department
http://www.cas.ucf.edu/soc_anthro/
E-mail: anthropology@ucf.edu
Interim Chair: A. Chase;
PH 403; 407-823-2227


The Department offers a Bachelor of Arts in Anthropology, and provides supporting courses for Forensic Science. Students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA)

Tracks: None

Minors: Anthropology, Anthropology in Multicultural Studies

Biology: Department
http://www.cas.ucf.edu/biology/
E-mail: biology@ucf.edu
Chair: David Borst; BL 301;
407-823-2141

Faculty: Bayer, Borst, Calestani, Fauth, Fedorka, Harris, Hoffman, Jenkins, Logiudice, Morrison-Shelter, Nadeau, Noss, Osborne, Parkinson, Quigley, Quintana-Ascencio, Roth, Shettler, Sotero-Esteve, Stout, Sweet, Thomas, Vajravelu, von Kalm, Walters, Waterman, Weishampel, Worth.

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Snelson, and 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, and 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 outside 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)
The College of Sciences

Tracks:  Biology Pre-professional (BS)
Minors:  Biology

Chemistry: Department
http://www.cas.ucf.edu/chemistry
E-mail: chemsta@mail.ucf.edu
Chair: Kevin D. Belfield
CH 117; 407-823-2246
Associate Chair and Undergraduate Coordinator: Cherie L. Geiger;
CH 325; 407-823-2135
Faculty:  J. Ballantyne, K. Belfield, A. Campiglia, C. Clausen, D. Diaz,
S. Elsheimer, B. Fookes, C. Geiger, A. Gesquiere, M. Hampton, F. Hernandez,
J. Hickman, E. Kluger, Q. Huo, S. Kuebler, F. Kujawa, S. Mallick,
A. Masunov, G. Mattson, H. Miles, M. Perez, R. Petzold, O. Phansiel,
T. Selby, M. Sigman, S. Santra, L. Zhai

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 chem-
istry is accredited by the American Chemical Society Committee on
Professional Training. It prepares the graduate for career opportuni-
ties in the chemical or related industries, or in government laborato-
ries. The program also prepares students for further study at the
graduate level in chemistry or in a related area such as materials sci-
ence, 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

Communication: Nicholson School
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Director: M.A. Shaver;
COM 238; 407-823-2681
Faculty: A. Akita, B. Bagg, J. Baltrunas, Barfield, Bledsoe, Brown, Brunson,
J. Butler, Collins, Costain, Davis, Delorme, D. Shaver, Fedder, Hall,
Hanlon, Hastings, Hodgson, Ihde, Katt, Kenney, Major, Malala,
Maunez-Cuadra, McCain, Mills, Morgan, Moroux, Neel,
Pryor, Rice, Santana, Scott, Smith, Sublette, Thompson, Wager, M
Wagner, Workman.
Faculty Emeriti: Meeske, O’Keefe, Taylor, Wycoff

The Nicholson School of Communication provides students with
a balance of practical skills and philosophical aspects of communica-
tion. The programs prepare students to understand mass media as
social institutions and train them for professional careers. The School
is composed of four Divisions each of which offer a Bachelor of Arts
degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in
both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowl-
dge, theory, and skills needed to understand and predict human
communicative behavior.
3. Journalism. Provides theory and skills needed to gain employ-
ment in newspapers, magazines, and similar forms of mass
communication.
4. Radio-Television. Provides theory and skills needed for careers
in radio, television, and related forms of electronic communication.
A Master of Arts degree in Communication is offered.

Facilities
The Radio-Television Division 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 Division has computer labs and a digital darkroom. The
Advertising/Public Relations Division has a computer writing lab. The
Interpersonal/ Organizational Communication Division has a presen-
tational speaking classroom equipped for audio/video record/play-
back and computerized visual presentation. The Division also has a
small group laboratory equipped with audio/video record/playback.

Degrees:  Advertising/Public Relations (BA), Interpersonal &
Organizational Communication (BA), Journalism (BA),
RadioTelevision (BA)

Specializations:  Broadcast Journalism, Production, Broadcast
Generalist, News Writing, Visual Communications, Editing

Minors: Interpersonal Communication, Magazine Journalism, Mass
Communication, Organizational Communication

Mathematics: Department
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Chair: Zuhair Nashed;
MAP 209; 407-823-0445
Faculty:  Andrews, Anthony, Cannon, Caron, Choudhury, Clarke,
Darbinyan, Dunlop-Pyle, Dufton, Griffiths, Han, Higgins, Ismail,
Kassab, Katsevich, Kaup, Li, Martin, Mikusinski, Mohapatra,
Nicholson, Ou, Pensky, Phillips, Qi, Reid, Ren, Richardson,
Rodriguez, Rollins, Schober, Shivanogodi, Song, Sun, Tamasan,
Tovbis, Vajravelu, Vartanian, 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 hav-
ing 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, Mathematics, Pure Mathematics
Minors: Mathematics

Physics: Department
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Interim Chair: Ralph Leidholdt;
MAP 310; 407-823-2325
Associate Chair: Lee Chow;
MAP 315; 407-823-2333
Faculty:  Bhattacharya, Bindell, Bosc, Braunstein, Britt,
Brueckner, Campins, Chemyak, Chow, Del Barco, Efthimiou,
Fernandez, Heinreich, Johnson, Khondaker,
Kokouline, Leuenberger, Llewellyn, Luo, Martin, Montgomery,
Mucciolo, Neighbor, Peale, Roldan-Cuenya, Saha, Schelling,
Schulte, Topner, Winningham.
Faculty Emeritus: Brenda
Visiting Faculty: Cooney, Dubey, Filiisy, Ngwa, Zhmudsky.

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

After graduation our students are prepared to enter advanced study
in physics, engineering, medicine, environmental sciences, astro-
my, and other related disciplines. They are also prepared to begin
careers in positions that are varied in engineering physics, computa-
tional physics, and physics education. Undergraduate physics majors
benefit from small class sizes, and are encouraged to be involved in
The College of Sciences

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, nanosciences, and space 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

Political Science: Department
http://www.cas.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Chair: R. Handberg;
CNH 415; 407-823-2608

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:

- Asian Studies: Contact Houman Sadri.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann
- Global and International Studies: Contact Waltraud Q. Morales
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg
- Women’s Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees: Political Science (BA, MA)
Tracks: American Politics, International Relations Comparative Politics, International Studies, Prelaw
Minors: Political Science, Political Science/Prelaw

Psychology: Department
http://www.cas.ucf.edu/psychology
E-mail: psychology@ucf.edu
Chair: Dipboye;
PH 302B; 407-823-2216
Associate Chair: W. Wooten,
PH 305E; 407-823-2216

Faculty Emeritus: Abbott, Burroughs, Rollins

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

Students may pursue either a BA or a BS degree in Psychology. The BS option has more science and math-related requirements as well as additional courses in psychology research and statistical methods. As such, it is best for students planning to pursue a graduate degree.

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

Sociology: Department
http://www.cas.ucf.edu/soc.anthro
Chair: J. Corzine;
PH 403B; 407-823-2227
Associate Chair: D. Gay
Faculty: Bradatan, Campbell, Cook, Corzine, Dees, Dietz, Dupras, Ford, Gay, Goldstein, Huff-Corzine, Jasinski, Lynxwiler, Marshall, Morris, Mustaine, Rivera, Sikorski-Simmons, Wright, Zom

The Department offers a Bachelor of Arts in Sociology. Students should consult with their departmental advisor early in their academic careers.

Degrees: Sociology (BA, MA)
Tracks: Domestic Violence (MA)
Minors: Sociology

Statistics and Actuarial Science: Department
http://www.cas.ucf.edu/statistics
Interim Chair: D. Nickerson;
CCIL 206; 407-823-5528
Faculty: Carta, Cutchins, Gau, Han, Johnson, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang, You

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS), Actuarial Science (BS, MS Track)
Tracks: None
Minors: Statistics
Rosen College of Hospitality Management
Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, Florida 32819; 407-903-8000
Associate Dean: Stephen LeBruto; 9907 Universal Boulevard, Suite 231-A; 407-903-8015
Faculty: Ashley, Breiter, Chen, Croes, Dickson, DiPietro, Fisher, Fielstul, Hara, Iskat, Juge, Jung, Kaufman, Krebs, Logan, Marshall, Milman, Muller, Murphy, Naipaul, Okumus, Rompf, Severt, Tesone, Upchurch, Wang
Website: www.hospitality.ucf.edu

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 managerial 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 45 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.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- 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.

Degrees: Event Management (BS), Hospitality Management (BS), Restaurant and Foodservice Management (BS)
Minor: Hospitality Management
Tracks: Event Management; Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management; Lodging Management; Hospitality Financial Management and Technology; Golf Management

The Rosen College of Hospitality Management
The Office of Undergraduate Studies

The Office of Undergraduate Studies supports the colleges in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university-wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic programs such as the Bachelor of Applied Sciences and the Liberal Studies Program are part of this office as is the Office of Academic Services. Also reporting to the Dean of Undergraduate studies are the Division of Continuing Education, the Office of Experiential Learning, the Faculty Center for Teaching and Learning, the Office of McNair and RAMP Scholars Programs, the Office of Undergraduate Research, and the Coordinator of Special Undergraduate Programs. The Dean serves as the final appeal for all undergraduate academic appeals.

Liberal & Interdisciplinary Studies

Classroom Bldg I, Suite 302
E-mail: ls@mail.ucf.edu
Director: Elliot Vittes; 407-823-0114
Program Contact: The Liberal Studies Advising Team
Academic Advisors: Karen Cox, Lee Logan, Linda Skrotsky, Sandra Tabert;

The Liberal Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study that include twelve different areas plus minor degree programs. The degree includes seven different tracks: Liberal Studies, Liberal Arts, Computer Information Technology, Environmental Studies, Nanoscience & Nanotechnology, Articulated A.S. to B.S., and Women’s Studies.

Degrees: Liberal Studies (BA, BS, MA, MS), Social Sciences BS
Tracks: Liberal Studies, Liberal Arts, Environmental Studies, Women’s Studies, Computer Information Technology, Nanoscience & Nanotechnology, Articulated A.S. to B.S.
Minors: Environmental Studies, Social Sciences Interdisciplinary
Certificates: Cultural Tourism

Social Sciences: Program

Classroom Bldg I, Suite 302
Contact Program: Liberal Studies Advising, 407-823-0144

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 between those fields. Satisfactory completion of the program leads to the Bachelor of Science degree with a major in Social Sciences.

Degrees: Social Sciences (BS)
Tracks: None
Minors: Social Sciences-Interdisciplinary
ACCOUNTING (B.S.B.A.)
College of Business Administration, BA2 101, 407-823-2184

http://www.bus.ucf.edu

Admission Requirements
- Completion of the General Education program at UCF, 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 9 hrs
   - Required: SPC 1600
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra 3 hrs
     - Select CAS 2100CC Computer Fundamentals for Bus 3 hrs
   - D. Social Foundations
     - Select ECO 2023 Microeconomics 3 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 2100CC 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.

3. Common Body of Knowledge (30 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
     - GEB 3356 Intro to International Business 3 hrs
     - ECO 3411 Quantitative Business Tools II 3 hrs
     - FIN 3403 Business Finance 3 hrs
     - MAN 3025 Management of Organizations 3 hrs
     - ISM 3011 Essentials of Management/Information Systems 3 hrs
     - MAR 3023 Marketing 3 hrs
     - BUL 3130 Legal and Ethical Environment of Business 3 hrs

   Last Semester:
   - MAN 4720 Strategic Management 3 hrs

4. Special College and/or Departmental Requirements
   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a "C" (2.0) or better in each common program prerequisites class.
   - A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek readmittance 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.

5. Foundation (Required) (12 hrs)
   - ACG 3121 Financial Accounting Concepts and Analysis 3 hrs
   - ACG 3361 Intermediate Managerial Accounting 3 hrs
   - ACG 4401C Accounting Information Systems 3 hrs
   - TAX 4001 Taxation of Business Entities and Transactions 3 hrs

6. Area Specialization/Concentration Requirements (9 hrs)
   - Select one set from the following area specialization options:
     - A. Public Accounting
       - ACG 3141 Intermediate Financial Accounting 3 hrs
       - ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
       - ACG 4651 Auditing 3 hrs
     - B. Managerial Accounting
       - ACG 4671 Internal Auditing 3 hrs
       - ACG 5346 Intermediate Managerial Accounting 3 hrs
       - FIN 3414 Intermediate Corporate Finance 3 hrs
     - C. Accounting Information Systems
       - ACG 4671 Internal Auditing 3 hrs
       - ACG 5405 Advanced Accounting Information Systems 3 hrs
       - ISM 3253 MIS Techniques 3 hrs
     - D. Governmental and Not-For-Profit Accounting
       - ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
       - ACG 4671 Internal Auditing 3 hrs
       - ACG 5517 Financial Accounting and Auditing for Governmental and Nonprofit Organizations 3 hrs
     - E. General Accounting
       - Select one additional financial reporting course:
         - ACG 3141 Intermediate Financial Accounting or 3 hrs
         - ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
       - Select one auditing course:
         - ACG 4651 Auditing 3 hrs
         - ACG 4671 Internal Auditing 3 hrs
       - Select one additional accounting course from the Restricted Electives listed below

   Note: Course substitutions in any area require approval by the Director, School of Accounting. A grade of "B" or better in pre-requisite course required to take graduate level courses and a minimum GPA of 2.75.

7. Restricted Electives (3 hrs)
   - Students may choose among the following accounting and accounting-related business courses:
     - ACG 3141 Intermediate Financial Accounting 3 hrs
     - ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
     - ACG 4401C Accounting Information Systems 3 hrs
     - ACG 4651 Auditing 3 hrs
     - ACG 4671 Internal Auditing 3 hrs
     - ACG 4932 Approved Special Topics Courses in Accounting 3 hrs
     - ACG 4970H** Honors Thesis in Accounting 3 hrs
     - TAX 4001 Taxation of Business Entities 3 hrs
     - ACG 5346 Advanced Managerial Accounting 3 hrs
     - ACG 5405 Advanced Accounting Information Systems 3 hrs
     - ACG 5517 Governmental and Nonprofit Accounting 3 hrs
     - BUL 3332 Advanced Business Law Topics 3 hrs
     - FIN 3414 Intermediate Corporate Finance 3 hrs
     - FIN 4453 Financial Models 3 hrs
     - ISM 3253 MIS Techniques 3 hrs
     - ISM 4212C Database Management Systems 3 hrs
     - TAX 5015 Advanced Taxation Topics 3 hrs

   (HPA electives to be added for Governmental Specialization)
   **Enrollment restricted to students accepted into the Honors in the Major Program

8. Honors in the Major (6 hrs)
   - Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at
least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.

**Admission:** Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

**Requirements:** Students accepted into the Honors in the Major Program must complete either:

- ACG 4903 Directed Readings in Accounting or 3 hrs
- ACG 4904H Honors Seminar in Accounting 3 hrs
- ACG 4970H Honors Thesis in Accounting 3 hrs

*With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

9. **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

10. **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 hours

**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 homepage at: [http://www.bus.ucf.edu/acc/](http://www.bus.ucf.edu/acc/)

**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 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.

- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**SUGGESTED FOUR YEAR PLAN OF STUDY - ACCOUNTING**

**Freshman**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
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<tbody>
<tr>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1101*</td>
<td>ENC 1102*</td>
</tr>
<tr>
<td>Cull-Hist I*</td>
<td>Cull-Hist II*</td>
</tr>
<tr>
<td>MAC 1105*</td>
<td>Art/Music/Lit</td>
</tr>
<tr>
<td>Psy/SignAnt</td>
<td>GES 2100CC*</td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
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<tr>
<td>Must complete 9 hours in a Summer term</td>
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**Sophomore**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
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<tr>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>ECO 2023*</td>
<td>ECO 2013*</td>
</tr>
<tr>
<td>ACG 2021*</td>
<td>ACG 2071*</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>POS 2041</td>
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<tr>
<td><strong>Effective 3</strong></td>
<td><strong>Effective 3</strong></td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td>* “C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
<tr>
<td>** Accounting majors must have a “C” (2.0) or better in each class in the major to include law and tax and a 2.0 GPA in major</td>
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**Junior**

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<thead>
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<th>1st Term</th>
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<tr>
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<td>15 hrs</td>
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<td>ECO 3411</td>
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<tr>
<td>*BUL 3130</td>
<td>GEB 3356</td>
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<tr>
<td>*ISM 3011</td>
<td>MAN 3025</td>
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<td><strong>ACG 3111</strong></td>
<td><strong>ACG 4401C</strong></td>
</tr>
<tr>
<td><strong>ACG 3361</strong></td>
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</tr>
<tr>
<td><strong>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.</strong></td>
<td></td>
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**Senior**

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<thead>
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<tr>
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<td><strong>TAX 4001</strong></td>
<td>MAN 4720</td>
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<td>ACG Specialization</td>
<td><strong>ACG Specialization</strong></td>
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<td>FIN 3403</td>
<td><strong>Effective 3</strong></td>
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<tr>
<td><strong>ACG Specialization</strong></td>
<td><strong>ACG Restricted Elective</strong></td>
</tr>
<tr>
<td>MAR 3023</td>
<td><strong>Effective 3</strong></td>
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</tbody>
</table>

**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


E-mail: statistics@mail.ucf.edu

Nizam Uddin, 407-823-2692

**Admission Requirements**

Students must apply for admission to the Actuarial Science Concentration by March 15 of the Spring semester two years prior to expected graduation. Transfer students expecting to graduate in less than two years should apply immediately upon admission to UCF.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
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 BSC 2010C
Select PHY 2053C CHM 2045C

2. Common Program Prerequisites (14 hrs)

COP 3502C* Computer Science I
   3 hrs

ECO 2013 Princ of Macroeconomics
   GEP

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

*See Transfer Notes for possible substitutes

3. Core requirements (53 hrs)

ACG 2021 Princ Financial Accounting
   3 hrs

ACG 2071 Princ Managerial Accounting
   3 hrs

FIN 3403 Business Finance
   3 hrs

STA 2023 Statistical Methods I
   GEP

STA 4212 Statistical Theory I
   3 hrs

STA 4222 Statistical Theory II
   3 hrs

STA 4672 Actuarial Statistical Methods
   3 hrs

STA 4942 Practicum Act Science
   3 hrs

STA 4283 Theory of Interest
   3 hrs

STA 4320 Life Contingencies I
   3 hrs

STA 4311 Life Contingencies II
   3 hrs

COT 4500 Numerical Calculus
   3 hrs

ENC 3241 Writing for Technical Professionals
   3 hrs

BSC 2010C* Biology I
   GEP

BSC 2011C* Biology II
   GEP

CHM 2045C Calculus Fundamentals (if not taken in GEP)

MAS 3105 Linear and Matrix Algebra
   4 hrs

MSC 3106 Linear Algebra

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

BSC 2011C Biology II (PR: BSC 2010C)

CJM 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)

c. Select three from among the following:
   9 hrs

STA 4011 Risk Theory & Decision

STA 4163 Statistical Methods II

STA 4164 Statistical Methods III

STA 4675 Life Testing Analysis

STA 4676 Demographic Statistics

STA 4187 Theory of Graduation

STA 4593 Problems in Actuarial Science

STA 5139 Credibility Theory and Loss Distributions

STA 5406 Casualty Insurance

4. Restricted Upper Division Electives (6 hrs)

Select from upper division or graduate statistics, actuarial science, or mathematics courses

Selected courses in business Business courses may be used only with prior approval by the Department of Statistics and Actuarial Science

5. Departmental Exit Requirements

The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses; and MHF 4404

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 examination) 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:

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:

B. COP 3502C*: any COP programming language course.

However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.

B. BSC 2010C*: any laboratory BSC, CHM, or PHY course.

However this is a prerequisite for BSC 2011C and will need to be taken.

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
Math test See catalog 0

Freshman Year

Fall
ECO 2013 Prin of Macroecon
   3 hrs

STA 2023 Stat Methods I
   3 hrs

Spring
ECO 2023 Prin of Microecon
   3 hrs

STA 4212 Statistical Theory I
   3 hrs

Sophomore Year

Fall
ECO 2023 Prin of Microecon
   3 hrs

STA 4283 Theory of Interest
   3 hrs

Summer
Math test See catalog 0

Spring
MAC 2312 Calc Anal Geo II
   4 hrs

STA 2023 Stat Methods I
   3 hrs

Fall
STA 2023 Stat Methods I
   3 hrs

STA 4212 Statistical Theory I
   3 hrs

Summer
Math test See catalog 0

Spring
MAC 2311 Calc Anal Geo I
   4 hrs

STA 4222 Stat Theory II
   3 hrs

Fall
MAC 2313 Calc Anal Geo III
   4 hrs

STA 4322 Stat Theory II
   3 hrs

Spring
STA 2023 Stat Methods I
   3 hrs

STA 4222 Stat Theory II
   3 hrs

Junior Year

Fall
ACG 2071 Prin of Mangr Acc
   3 hrs

STA 4311 Life Contingencies II
   3 hrs

Spring
ACG 2021 Prin of Fin Acc
   3 hrs

STA 4321 Stat Theory I
   3 hrs

Senior Year

Fall
STA 4212 Statistical Theory I
   3 hrs

STA 4322 Stat Theory II
   3 hrs

Spring
STA 4212 Statistical Theory I
   3 hrs

STA 4322 Stat Theory II
   3 hrs

Graduation: none

UCF Degree Programs
UNIVERSITY OF CENTRAL FLORIDA

Students should apply to become Advertising/Public Relations Admission Requirements

Limited Access program.

Contact: Bob Davis
E-mail: ad-pr@ucf.edu
http://www.cas.ucf.edu/communication

College of Sciences
Nicholson School of Communication, COM 250
407-823-2829

http://www.cas.ucf.edu/communication
E-mail: ad-pr@ucf.edu

Contact: Bob Davis

Limited Access program.

Admission Requirements

Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission.

Deadlines are:
- October 1 to be admitted the next Spring term
- February 1 to be admitted the next Summer term
- 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 45 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 somewhat with the quality of applicants, but for previous acceptance periods, the minimum GPA did not drop below 3.3.

Have acceptable keyboard skills.

Receive a positive evaluation of other factors specified by the School.

Degree Requirements

Students who change degree programs 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

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 of the 120 hours may be taken within the Nicholson School of Communication.

Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum

A maximum of six credit hours of internship may be earned in one semester. A total of nine credit hours of internship may be earned within the 120 credit hour required for graduation

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
Select SPC 1600 or SPC 1016

B. Cultural and Historical Foundations

C. Mathematical Foundations
Preferred MGF 1106 (may substitute a higher level math)
Select STA 2014C

D. Social Foundations
Select SPC 1016

E. Science Foundations
Select SPC 1600

2. Common Program Prerequisites (0 hrs)

Select one course
- SPC 1016 Fund of Technical Presentations
- SPC 1600 Fund Oral Communication

3. Core requirements (27 hrs)

- STA 2014C Principles of Statistics
- ADV 3000 Principles of Advertising
- ADV 4011 Advertising Copywriting
- COM 3110 Business and Prof Communication
- COM 3311 Communication Research Methods
- MMC 4254 AdPR Campaigns
- MMC 4300 Mass Communication Law
- PUR 3100 Writing for Public Relations
- PUR 4000 Public Relations

Select one
- PUR 4941 Internship
- ADV 4941 Internship

4. School Exit Requirements

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

Achieve an overall “C” GPA (2.0) in required UCF Ad/PR courses.

This GPA does not include electives.

Computer Competency met by CGS 1060C, STA 1060C or departmental assessment.

5. Foreign Language Requirements (0-8 hrs)

Admission: 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, Marketing, Psychology

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

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

1. Fall

- ENC 1101 Composition I 6 hrs
- MGF 1106 Principles of Statistics 3 hrs
- Elective* Check restrictions 3 hrs
- Select ENC 1102 Composition II 3 hrs
- MGF 1106 Principles of Statistics 3 hrs
- Elective* Check restrictions 3 hrs
- SPN 1120* req# Lang/Elect 4 hrs

2. Spring

- ENC 1101 Composition I 6 hrs
- MGF 1106 Principles of Statistics 3 hrs
- Elective* Check restrictions 3 hrs
- SPN 1120* req# Lang/Elect 4 hrs
- ENC 1101 Composition II 3 hrs
- MGF 1106 Principles of Statistics 3 hrs
- Elective* Check restrictions 3 hrs

Sophomore Year

1. Fall

- SCS 1005* req# 1E2-GEP 3 hrs
- EGH 2001* req# 1E1-GEP 3 hrs
- POS 2081* req# 1D1-GEP 3 hrs
- Restricted* req# Res Elect 3 hrs
- SPC 1600 Fund Oral Communication 3 hrs

2. Spring

- SCS 1005* req# 1E2-GEP 3 hrs
- EGH 2001* req# 1E1-GEP 3 hrs
- POS 2081* req# 1D1-GEP 3 hrs
- Restricted* req# Res Elect 3 hrs
- SPC 1600 Fund Oral Communication 3 hrs
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
Undergraduate Advisor: Waheeha Illasari

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes; see also the section, Orientation, found elsewhere in this catalog.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, 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. Take Prefer ECO 2013 or ECO 2023.
2. Take ANT 2000, PSY 2012, or SYG 2000

E. Science Foundations
1. Take Select PHY 2048/48L (PR: MAC 2311).
2. ANT 2011, 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. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440 Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute)
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II GEP
MAC 2313 Calculus with Analytic Geometry III GEP
MAP 2302 Differential Equations
PHO 2049/49L Physics for Engineers & Scientists I GEP
PHY 2049/49L Physics for Engineers & Scientists II GEP
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
Humanities Courses GEP
Social Science Courses GEP
Humanities or Social Sciences GEP

3. 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 5. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1111C Engineering Computer Graphics 2 hrs
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure & Properties of 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 2 hrs
EAS 3810C Design of Aerospace Experiments 2 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4200 Flight Structures 3 hrs
EAS 3530 Space Systems Concepts or
EAS 4400 Spacecraft Attitude Dynamics or
EAS 4505 Orbital Mechanics 3 hrs
EAS 4300 Aerothermodynamics-Propulsion Sys 3 hrs
EML 3034C Modeling Methods in MAE 3 hrs
EML 4312C Feedback Control 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EAS 4210C Space Structural Design 3 hrs

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

5. Departmental Graduation Requirements
(6 hrs)
EGN 4412C Interdisciplinary Design I or
EAS 4700C Aerospace Design I 3 hrs
EGN 4413C Interdisciplinary Design II or
EAS 4710C Aerospace 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 (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering.

Transfer Notes:
Courses taken from Community Colleges do not substitute for Upper Division Courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
EGN 1006C and EGN 1007C are required courses for incoming
freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering technical elective for transfer students.

**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**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Codes</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
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<tr>
<td>Fall</td>
<td>ENC 1101 English Comp I</td>
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<td>CHS 1440 Chem for Eng or</td>
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<td>CHS 1440 Chem for Eng or</td>
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**Notes:**

- 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 this catalog for further information.
- Students should view the MMAE website (www.mmae.ucf.edu) or consult 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.
- 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 this catalog.
- 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.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites. If you do not have a higher level programming language background you must take a course in this area prior to taking EML 3034C ("C" or FORTRAN recommended).
- 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.

**Integrated 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 this catalog for more information.

**ANIMATION TRACK in ART**

See Art - Animation Track

**ANTHROPOLOGY (B.A.)**

**College of Sciences**

Department of Sociology and Anthropology, PH 403, 407-823-2227,
http://www.cas.ucf.edu/soc_anthro

E-mail: anthropology@ucf.edu

Contact: A. Chase, 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**

   - Communication Foundations
   - Cultural and Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - Science Foundations

   See Transfer Notes for possible substitutes

   - 36 hrs

   - 9 hrs
   - 9 hrs
   - 9 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs

2. **Common Program Prerequisites**

   - ANT 2000* General Anthropology
   - ANT 2511* The Human Species

   - 0 hrs

   - 0 hrs

3. **Core Requirements: Lower Level**

   - ANT 2100 Arch & the Rise of Human Cult
   - ANT 2410 Cultural Anthropology

   - 6 hrs

   - 3 hrs
   - 3 hrs

4. **Core Requirements: Upper Level**

   - ANT 3145 Archaeology of Complex Societies
   - ANT 3640 Language and Culture

   - 12 hrs

   - 3 hrs
   - 3 hrs
5. Area Study

All students are required to take one of the following courses:

- ANT 3158: Florida Archaeology
- ANT 3163: Mesoamerican Archaeology
- ANT 3164: Ancient Incas
- ANT 3168: Maya Archaeology
- ANT 3311: Indians of the SE US
- ANT 3312: Ethnology of North American Indians
- ANT 3313: Indians of N American High Plains
- ANT 3314: Indians of the Northeast Woodlands
- ANT 3318: Indians of the Northwest Coast
- ANT 4320: Indians of the Southwest
- ANT 4319: The Anthropology of Diaspora
- ANT 3332: Peoples and Culture of Latin America
- ANT 3430: Caribbean Cultures
- ANT 3338: Life and Death in Ancient Egypt
- ANT 3363: Anthropology of Japan
- ANT 4144: Prehistory of North America
- ANT 4153: North American Archaeology
- ANT 4352: African Societies and Cultures
- ANT 4354: Postcolonial Africa
- ANT 4308: Gender Issues in Latin America

6. Restricted Electives

Six other Anthropology courses must be taken to complete the major. These may include other area study courses (see above) or any other Anthropology courses that may be offered (see below).

- ANT 4101: Archaeological Sciences
- ANT 3115: Ethnographic Method and Theory
- ANT 3142: Old World Prehistory
- ANT 4184: Mortuary Archaeology
- ANT 3212: Peoples of the World
- ANT 3241: Magic, Ritual, and Belief
- ANT 3245: Native American Religions
- ANT 3362: Rural Society
- ANT 3273: Law and Culture
- ANT 3302: Sex, Gender, and Culture
- ANT 3316: Black Seminole Relationships
- ANT 4438: Anthropology of Tourism
- ANT 4467: Nutritional Anthropology (or ANT 5467)
- ANT 3541: Biobehavioral Anthropology
- ANT 3550: Primatology
- ANT 3701: Applied Anthropology
- ANT 4702: Culture, Power, and Development
- ANT 4802: Ethnographic Field Methods
- ANT 4180C: Seminar in Laboratory Analysis
- ANT 4266: Economic Anthropology
- ANT 4462: Medical Anthropology
- ANT 4516: Human Biological Diversity
- ANT 4521C: Forensic Anthropology
- ANT 4525C: Human Osteology
- ANT 4528C: Advanced Forensic Anthropology
- ANT 4824: Advanced Archaeological Field Work
- ANG 5165: Field Research in Maya Studies
- ANG 5166: Problems of Maya Archaeology
- ANG 5167: Maya Hieroglyphics
- ANG 5228: Maya Iconography

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.

8. 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 Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives

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 hours

Related Programs: Sociology, 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:
- 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.

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
  - ANG 5168: Maya Archaeology 3
  - ANG 5228: Maya Iconography 3
- Spring
  - ANT 2000: General Anthro 3
  - ENC 1101: Composition I 3

Sophomore Year

- Fall
  - REL 2300: Religion and Society 3
  - ANT 2511: The Human Species 3
- Spring
  - ANT 2000: General Anthro 3
  - ENC 1101: Composition I 3

Junior Year

- Fall
  - ANT 2511: The Human Species 3
  - ANT 2100: Archaeology of the Americas 3
  - ELECTIVE 3
- Spring
  - ANT 2511: The Human Species 3
  - ANT 2100: Archaeology of the Americas 3

Senior Year

- Fall
  - ANT 3362: Rural Society 3
  - ANT 3362: Rural Society 3
  - ANT 3362: Rural Society 3
- Spring
  - ANT 3362: Rural Society 3

ART (B.F.A.)

College of Arts and Humanities

E-mail: art@ucf.edu
J. Chavda, 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.
UCF Degree Programs

Admission Requirements
- All junior level students in this program (except Graphic Design students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall. The application deadline is April 1 for Fall admission.
- Students unable to satisfactorily complete either above requirement, ART 3950 – 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 special consideration.
- "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 program.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
- 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 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
     Select a course from group B.1
     Select ARH 2050
     Select ARH 2051
   B. Cultural and Historical Foundations
      3 hrs
     Select ARH 2051
     Select ARH 2050
   C. Mathematical Foundations
      3 hrs
     ARH 2051
     Select one upper division course in Art History, Humanities, and Social Science. (A maximum of six hours of Independent Study, Practicum, and Internship are permitted).
   D. Social Foundations
      6 hrs
     Prefer STA 1060C
     Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
   E. Science Foundations
      6 hrs
     Prefer STA 1060C

2. Common Program Prerequisites (18 hrs)
   A. ART 2203C* Design Fundamentals 2-D
      3 hrs
   B. ART 2203C* Design Fundamentals 2-D
      3 hrs
   C. ART 2300C* Drawing Fundamentals I
      3 hrs
   D. ART 2301C* Drawing Fundamentals II
      3 hrs
   E. ARH 2050 History of Western Art I
      GE
   F. ARH 2051 History of Western Art II
      GE
   G. GRA 2101C* Intro to Computer Art
      3 hrs
   H. ART 3950 Portfolio Review
      0 hrs
   *ART Prefix, studio, or digital art courses at the 2000-4000 levels 3 hrs

3. Core Requirements (9 hrs)
   A. ART 2200 Art as Interface
      3 hrs
   B. ARH 2050 Survey of Non-Western Art
      3 hrs
   C. 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)
      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*)
   b. Elective in Art: 15 hrs
      Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.
      Animation, Ceramics, Drawing, Graphic Design, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.
   c. Additional Electives 9 hrs
      Select three upper-division Art History courses or
      Select one upper division course in Art History, Humanities, and Social Science. (A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

5. Departmental Exit Requirements (3 hrs)
   ART 4935 BFA Exhibit/Seminar required, except for Graphic Design specialization (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)
   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.

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 hours
Related Programs: Art History, Studio Art (BA), Art Education, Animation, Digital Media
Related Minors: 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
- 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.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternatives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
Students must submit a satisfactory drawing portfolio to be considered for admission.

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.

Students must submit a satisfactory drawing portfolio to be admitted to FIL 3286C. Note: Unfortunately, individual reviews are not possible due to the large number of applicants to this program.

### Admission Requirements

- **Animation students** must successfully complete an Animation Portfolio Review to be admitted to restricted access programs. The Animation Portfolio Review submission deadline is March 15 for admission in the following fall semester, and September 15 for admission in the following spring semester.
- 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.
- Students must submit a satisfactory drawing portfolio to be admitted to FIL 3286C.

### 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 2051 3 hrs
  - Select ARH 2050 3 hrs
- **C. Mathematical Foundations**
  - Prefer MGF 1106 (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)

- **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 GEP 3 hrs
- **ARH 2051** The History of Western Art II GEP 3 hrs
- **GRA 2101C** Intro to Computer Art 3 hrs
- **FIL 3286C** Intermediate Animation 3 hrs
- **GRA 3151C*** req# 4c. ResEl 3 hrs

*Workshops may be repeated

**3. Core Requirements** (12 hrs)

- **ART 2820** Art as Interface 3 hrs
- **ART 2950** Survey of Non-Western Art 3 hrs
- **ART 2201C** Design Fundamentals 2-D 3 hrs
- **ART 2300C** Drawing Fundamentals I 3 hrs
- **ART 2301C** Drawing Fundamentals II 3 hrs
- **FIL 3286C** Intermediate Animation 3 hrs
- **GRA 2101C** Intro to Computer Art 3 hrs
- **GRA 3151C*** req# 4c. ResEl 3 hrs

*Workshops may be repeated

**5. Restricted Electives**

- **Elective in Art** (15 hrs)
  - Select five courses; two of which may be lower division
  - Select from at least three of the following areas, excluding the area of specialization:
    - Ceramics, Drawing, Painting, Printmaking
    - Special Topics Studio Courses.

**6. Departmental Exit Requirements**

- **ART 4971 Thesis** 3 hrs
- **Computer Competency met by CGS 1060C or GRA 2101C**

**7. 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.

**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 hours

Related Programs: Art, Art Education, Art History, Film Production/Screen writing, Radio/TV
Related Minors: Art, Digital Media, Film

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools, and in-state senior institutions 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*: 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.

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

Freshman Year
Fall
- ARH 2050 His of West Art I 3
- ENC 1101 Composition I 3
- HUM 2210* req# 1B1-GEP 3
- MGF 1105* req# 1C1-GEP 3
- ART 2820 Art as Interface 3

Spring
- ARH 2051 His of West Art II 3
- ENC 1102 Composition II 3
- MGF 1105* req# 1C1-GEP 3
- ART 2201C Design Fund 2-D 3
- ART 2820 Art as Interface 3

Sophomore Year
Fall
- COM 1000* req# 1A3-GEP 3
- POS 2041* req# 1D1-GEP 3
- ART 2203C Design Fundamentals 3-D 3
- ART 2300C Drawing Fundamentals I 3
- GRA 2101C Intro to Comp Art 3

Spring
- BSC 1020* req# 1E2-GEP 3
- CHM 1020* req# 1E1-GEP 3
- ART 2301C Drawing Fundamentals II 3
- ART 2394* req# 2-CPP 3
- FIL 3286C Intro to Animation 3

Junior Year
Fall
- ARH 3161* req# 3-Core 3
- GRA 3151C* req# 3-Core 3
- ART 3643C Dig Effects Compst I 3
- PGY 2401C* req # 5-ResEl 3
- SPN 1120* req# Lang/Elect 4

Select Application See catalog 0

Spring
- FIL 3287C Int Animation 3
- ART 3410 His of Ani Films I 3
- ART 3322C* req# 5-ResEl 3
- ART 4320C* req# 5-ResEl 3
- SPN 1121* req# Lang/Elect 4

Senior Year
Fall
- ARH 2500 His of West Art 3
- FIL 4288C Advanced Animation 3
- PGY 3410C* req# 5-ResEl 3
- Elective* Check restrictions 3

Spring
- ARH 2501 History of Western Art II 3
- FIL 4289C Animation Workshop 3
- PGY 4420C* req # 5-ResEl 3
- ART 4911 Senior Thesis 3
- Elective* Check restrictions 3

ART - HISTORY TRACK (B.A.)
College of Arts and Humanities
Art Department, VAB 317, 407-823-2676
http://www.art.ucf.edu/
E-mail: art@ucf.edu
M. Gonzalez, 407-823-4995

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a departmental art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program
   - Communication Foundations 9 hrs
   - Cultural and Historical Foundations 3 hrs
   - Select ARH 2050 History of Western Art I 3 hrs
   - Select ARH 2051 History of Western Art II 3 hrs
   - Mathematical Foundations 3 hrs
   - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   - Prefer STA 1060C Statistics Using Excel 3 hrs
   - Social Foundations 6 hrs
   - Science Foundations 6 hrs

2. Common Program Prerequisites
   - (12 hrs)
     - ART 2201C Design Fundamentals 2-D 3 hrs
     - ART 2300C Drawing Fundamentals I 3 hrs
     - ARH 2050 History of Western Art I 3 hrs
     - ARH 2051 History of Western Art II 3 hrs

3. Core Requirements
   - (18 hrs)
     - ARH 2500 Survey Non-Western Art 3 hrs
     - ARH 4310 Italian Renaissance Art 3 hrs
     - ARH 4430 Nineteenth Century Art 3 hrs
     - ARH 4450 Twentieth Century Art 3 hrs
     - ARH 4800 Theory and Criticism of Visual Arts 3 hrs
     - ENC 3311 Advanced Expository Writing 3 hrs

4. Restricted Electives
   - (21 hrs)
     - a. One Non-Western Art History Course: 3 hrs
       - ARH 3520 African Art
       - ARH 4545 Art of India
       - ARH 4655 MesoAmerican Art
     - b. One of the following courses: 3 hrs
       - ARH 4200 Medieval Art
       - ARH 4350 Baroque Art
       - ARH 4892 Women in Art
     - c. Select 15 additional hours from following: 15 hrs
       - ARH 3471 Art in Last 25 Years
       - ARH 3520 African Art
       - ARH 3610 American Art
       - ARH 3710 History of Photography I
       - ARH 3711 History of Photography II
       - ARH 3720 History of Prints
       - ARH 4170 Greek and Roman Art
       - ARH 4350 Baroque Art
       - ARH 4655 MesoAmerican Art
       - ARH 4892 Women in Art
       - ARH 5897 Adv. Seminar in Art History
       - ARH 3XXX-4XXX Additional Art History course

5. Departmental Exit Requirements
   - (4 hrs)
     - ARH 4912 Senior Thesis 3 hrs
     - ARH 4906 Comprehensive Exam 1 hr
     - Achieve at least a “C” GPA (2.0) in courses within the major
     - Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

E-mail: art@ucf.edu
M. Gonzalez, 407-823-4995

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a departmental art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program
   - Communication Foundations 9 hrs
   - Cultural and Historical Foundations 3 hrs
   - Select ARH 2050 History of Western Art I 3 hrs
   - Select ARH 2051 History of Western Art II 3 hrs
   - Mathematical Foundations 3 hrs
   - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   - Prefer STA 1060C Statistics Using Excel 3 hrs
   - Social Foundations 6 hrs
   - Science Foundations 6 hrs

2. Common Program Prerequisites
   - (12 hrs)
     - ART 2201C Design Fundamentals 2-D 3 hrs
     - ART 2300C Drawing Fundamentals I 3 hrs
     - ARH 2050 History of Western Art I 3 hrs
     - ARH 2051 History of Western Art II 3 hrs

3. Core Requirements
   - (18 hrs)
     - ARH 2500 Survey Non-Western Art 3 hrs
     - ARH 4310 Italian Renaissance Art 3 hrs
     - ARH 4430 Nineteenth Century Art 3 hrs
     - ARH 4450 Twentieth Century Art 3 hrs
     - ARH 4800 Theory and Criticism of Visual Arts 3 hrs
     - ENC 3311 Advanced Expository Writing 3 hrs

4. Restricted Electives
   - (21 hrs)
     - a. One Non-Western Art History Course: 3 hrs
       - ARH 3520 African Art
       - ARH 4545 Art of India
       - ARH 4655 MesoAmerican Art
     - b. One of the following courses: 3 hrs
       - ARH 4200 Medieval Art
       - ARH 4350 Baroque Art
       - ARH 4892 Women in Art
     - c. Select 15 additional hours from following: 15 hrs
       - ARH 3471 Art in Last 25 Years
       - ARH 3520 African Art
       - ARH 3610 American Art
       - ARH 3710 History of Photography I
       - ARH 3711 History of Photography II
       - ARH 3720 History of Prints
       - ARH 4170 Greek and Roman Art
       - ARH 4350 Baroque Art
       - ARH 4655 MesoAmerican Art
       - ARH 4892 Women in Art
       - ARH 5897 Adv. Seminar in Art History
       - ARH 3XXX-4XXX Additional Art History course

5. Departmental Exit Requirements
   - (4 hrs)
     - ARH 4912 Senior Thesis 3 hrs
     - ARH 4906 Comprehensive Exam 1 hr
     - 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 four 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 hours
Related Programs: Studio Art (BA, BFA), Art Education, Animation, Digital Media.
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

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

Freshman Year
Fall
ARH 2050 His of West Art I 3
ENC 1101 Composition I 3
HUM 2210 req# 1B1-GE 3
MGF 1106 req# 1C1-GE 3
Spring
ARH 2051 His of West Art II 3
ENC 1102 Composition II 3
STA 1060C Stat Using Excel 3
ARH elective 3
Sophomore Year
Fall
COM 1000* req# 1A3-GE 3
POS 2041* req# 1D1-GE 3
ART 2201C Design Fundamentals 2-D 3
ART 2203C* Intro to Computer Art 3
Spring
ART 2301C* 3 hrs
ART 2300C Drawing Fundamentals I 3
ART 2300C Drawing Fundamentals II 3
ART 2500 His of West Art 3
junior level students in this program (except Graphic Design majors) 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+” (2.00) in lower level ART 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
      Select ARH 2050 The History of Western Art I 3 hrs
      Select from either group B.1 or B.2 3 hrs
   C. Mathematical Foundations 3 hrs
      Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (21 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 (may substitute a higher level math) 3 hrs
   ARH 2051 The History of Western Art II 3 hrs
   GRA 2101C Intro to Computer Art 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

3. Core (6 hrs)
   ART 2620 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 3780C, ART 4783C*)
   Drawing and Printmaking (ART 3322C, ART 3433C, ART 4320C*, ART 4402C*)
   Illustration (GRA 3151C, GRA 4154C*)
   Painting (ART 3503C, ART 4505C*)
   Photography (PGY 2401C, PGY 4420C*, PGY 4440C)
   Sculpture (ART 2701C, ART 4710C*)
   The Artist Book (ART 4173)
   Type & Design (GRA 3133C)* may be repeated for credit

5. Departmental Exit Requirement
   Achieve at least a “C” GPA (2.0) overall in courses within
### UCF Degree Programs

**ART EDUCATION (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles**

**ED 209**

http://pegasus.cc.ucf.edu/~arted

Program Coordinator: Thomas Brewer
ED 206-J, 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 prerequisite courses

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

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

A. Communication Foundations (9 hrs)

- ENC 1101 Composition I
  - 3 hrs
- ENC 1102 Composition II
  - 3 hrs
- Select SPC 1600 Fundamentals of Oral Communication
  - 3 hrs

B. Cultural-Historical Foundations (9 hrs)

- Select AMH 2010 U.S. History 1492-1877
  - 3 hrs
- Select AMH 2020 U.S. History 1877-Present
  - 3 hrs
- Select PHI 2010 Introduction to Philosophy
  - 3 hrs

C. Mathematical Foundations (6 hrs)

- Select MGF 1106 Finite Mathematics
  - 3 hrs
- Select one:
  - STA 1060C Basic Statistics using MS Excel
  - 3 hrs
  - STA 2014C Principles of Statistics
  - 3 hrs

D. Social Foundations (6 hrs)

- Select PSC 1121 Physical Science
  - 3 hrs
- Select one:
  - ANT 2511 The Human Species
  - 3 hrs
  - BSC 1005 Biological Principles
  - 3 hrs

Note: See laboratory component under Section 2.

#### 2. Common Program Prerequisites (43 hrs)

A. Communications (9 hrs)

- ENC 1101 Composition I
  - GEP
- ENC 1102 Composition II
  - GEP
- Select SPC 1600 Fundamentals of Oral Communication
  - GEP

B. Humanities (6 hrs)

- Select PHI 2010 Introduction to Philosophy
  - 3 hrs
- AR 2050 History of Western Art I
  - 3 hrs

C. Mathematics (9 hrs)

- Select MAC 1147 College Algebra
  - 3 hrs
- Select MGF 1106 Finite Mathematics
  - 3 hrs
- Select one of the following (per GEP)
  - STA 1060C Basic Statistics using MS Excel
    - GEP
  - STA 2014C Principles of Statistics
    - GEP

D. Social Science/History (12 hrs)

- Select AMH 2010 U.S. History 1492-1877
  - 3 hrs
- AMH 2020 U.S. History 1877-Present
  - 3 hrs
- Select PSC 2041 American National Government
  - 3 hrs
- Select PSY 2012 General Psychology
  - 3 hrs

E. Science (9 hrs + lab)

- Select one of the following (per GEP)
  - ANT 2511 The Human Species
    - 3 hrs
  - BSC 1005 Biological Principles
  - 3 hrs

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### Fall Semester

- **ART 2500** Hist of West Art I
- **ART 2820** Art as Interface
- Elective

### Spring Semester

- **ART 2501** Hist of West Art II
- **ART 2821** Art as Interface
- Elective

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### Sophomore Year

- **COM 1001** Comp as Interface
- **ART 2201** Drawing Fund I
- Elective

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### Junior Year

- **ART 3152** Comp

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### Senior Year

- **ART 4300** Comp

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### Winter Internship

- **ED 206-J**

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### Summer Semester

- **ED 209**

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### Graduation

- **ARH 4350**

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### 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.

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### Freshman Year

- **ARH 2050** Hist of West Art I
- **ENC 1101** Composition I
- **HUM 2210** Hist
- **MGF 1108** Math
- **ART 2520** Art as Interface

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### Sophomore Year

- **COM 1001** Comp as Interface
- **ART 2201** Comp
- **ART 2202** Art as Interface

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### Junior Year

- **ART 3322C** Comp

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### Senior Year

- **ART 4350**

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### 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.

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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.
AST 2002 Astronomy or
GEO 1200 Physical Geography or
GLY 1030 Geology and its Applications
Select one associated science lab: 1 hr
BSC1005L Biological Principles Laboratory or
PSC 1121L Physical Science Laboratory
F. Education Courses (9 hrs)
EDF 2005 Introduction to Education 3 hrs
EDG 2701 Teaching Diverse Populations 3 hrs
EME 2040 Technology for Educators 3 hrs
G. Diversity Courses GEP
H. Other Program Prerequisites (24 hrs)
*ARH 2051 History of Western Art II 3 hrs
*ART 2201C Designs Fundamentals I 3 hrs
*ART 2202C Designs Fundamentals II 3 hrs
*ART 2300C Drawing Fundamentals II 3 hrs
*ART 2301C Drawing Fundamentals I 3 hrs
*GRA 2101C Intro to Computer Graphics 3 hrs
ART 2203C Designs Fundamental II 3 hrs
ART 2201C Designs Fundamental I 3 hrs
ART 2304C Ceramics 3 hrs
ART 2500C Painting 3 hrs
*Prerequisites for all 3000 and 4000 core and elective ARE and ART courses.

3. Education Core Requirements (15 hrs)
EDG 4323 Professional Teaching Practices 3 hrs
EDF 4603 Analysis of Critical Issues in Education 3 hrs
EDF 4214 Classroom Learning Principles 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
RED 4043 Content Reading K-12 3 hrs

4. Internship I (ESE 3940) (3 hrs)
Program Internship I Prerequisites: EDG 4323 and at least 50% of all required art courses must be completed prior to Internship I with a minimum grade of "C-" in all of these prerequisite courses.
See additional requirements listed under College of Education, Office of Clinical Experiences

5. Core Requirements (9 hrs)
ARE 4355 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

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

7. Internship II (ESE 4943) (12 hrs)
All art courses and all methods courses must be completed before registering for Internship II
See additional requirements listed under College of Education, Office of Clinical Experiences
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

8. 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)

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

UCF Degree Programs

11. Total Program Semester Hours Required 127 hrs
Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (15 hrs)
EDF 2005 3 hrs
EDG 2701 3 hrs
EME 2040 3 hrs
ESE 3940 12 hrs
Spring (12 hrs)
ARE 4356 3 hrs
ART 2201C 3 hrs
ART 2203C 3 hrs
MGF 1106 3 hrs
MGF 1107 3 hrs

Sophomore Year
Fall (15 hrs)
ARH 2050 3 hrs
MGF 1106 3 hrs
MGF 1107 3 hrs
ART 2300C 3 hrs
ART 2500C 3 hrs
Spring (16 hrs)
ARH 2051 3 hrs
ART 2203C 3 hrs
ART 2301C 3 hrs
ART 2302C 3 hrs

Junior Year
Fall (15 hrs)
GRA 2101C 3 hrs
AST 2002 3 hrs
Spring (15 hrs)
AMH 2010 3 hrs
AMH 2020 3 hrs
AMH 2030 3 hrs
RED 4043 Content Reading K-12 3 hrs

Senior Year
Fall (12 hrs)
ARE 4356 3 hrs
ART 2201C 3 hrs
ART 2203C 3 hrs
Spring (12 hrs)
ARE 4356 3 hrs
ART 2201C 3 hrs
ART 2203C 3 hrs

BIOLOGY (B.S.)

College of Sciences
Biology Department, BL 301, 407-823-2141
http://www.cas.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Admission Requirements

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, BSC4937L, 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.

Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
C. Mathematical Foundations
1. Select MAC 2311 or MAC 2241
2. Select STA 2023

D. Social Foundations

E. Science Foundations
1. Select CHM 2045C
2. Select BSC 2010C

2. Common Program Prerequisites (16 hrs)
BSC 2010C* Biology I
BSC 2011C* Biology II
Select one Calculus course
MAC 2211* Calculus w/ Anal Geometry I
MAC 2241* Calculus for Life Sciences
STA 2023* Statistical Methods I

CHM 2045C+ Chem Fund I
CHM 2046 & L Chem. Fund II & lab
Select one Physics sequence with labs*
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 2040 plus CHM 2041 can substitute for CHM 2045C

3. Core requirements (21-23 hrs)
Select one Chemistry sequence
CHM 2210 Organic Chem. I, and
CHM 2211 & L Organic Chem. II & lab
or
CHM 3120 Analytical Chemistry, and
CHM 2205 Intro Organic & Biochemistry

PCB 3080 Ecology
PCB 3063 Genetics
PCB 3023 Molecular Cell Biology
PCB 4683 Population Biol & Evolution

(Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to 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 credit hours from each group must be completed.
At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.

Transferred courses must be at a 3000 level or higher, and be evaluated by a departmental advisor, in order to count as an Upper Division Restricted Elective.

Courses at the 5000 level are only open to seniors and beginning graduate students.

4.1 Form/Function (minimum of one lecture course)

BCH 4053 Biochemistry I
BCH 4054 Biochemistry II
b BOT 4223C Plant Anatomy
b BOT 4303C Plant Kingdom
b BOT 4503 Plant Physiology
BSC 4101 History of Biology

a BSC 4454 Research in Animal Physiology
PCB 3063L Genetics Laboratory
PCB 3233 Immunology
PCB 3024L Molecular Cell Biology Laboratory
PCB 3703C Human Physiology
PCB 4514 Genetics II
PCB 4524 Molecular Biology II
a PCB 4723 Animal Physiology
PCB 5263L Population Bio and Evolution Lab
PCB 5107C Adv Cell Biology
b PCB 5108 Concepts in Plant Cell Biology
a PCB 5256C Adv Develop Biology
PCB 5556 Consor. Genetics
PCB 5665C Human Genetics
a ZOO 3713C Comparative Vert Anatomy
ZOO 3733C Human Anatomy
a ZOO 4603C Embryology/Development
a ZOO 4753C

4.2 Environmental (minimum of one lecture course)

b BOT 3152C Local Flora
b BOT 3700 Ethnobotany
b BOT 4156C Florida Wildflowers
b BOT 4686C Conservation of Native Plants
b BOT 5623C Plant Geography & Ecology

BSC 4312C Marine Biology
PCB 3044L Ecology Laboratory
PCB 3304C River Ecology
PCB 3355C Tropical Marine Biology
PCB 3442 Florida Aquatic Ecology
PCB 4302C Physicochemical Limnology
PCB 4303C Biological Limnology
PCB 5045C Conservation Biology
PCB 5329C Landscape Ecology
PCB 5326C Ecosystems of Florida
PCB 5485 Models in Ecology
PCB 55xx Methods in Experimental Ecology
PCB 5600L Tropical Biology Research and Conservation

a ZOO 4513 Animal Behavior
a ZOO 5520 Behavioral Ecology

a ZOO 5813 Zoogeography
a ZOO 5891C Fisheries Management
a ZOO 5893L Repro Mgt Zool Env

4.3 Systematic (minimum of one lecture course)

b BOT 4713C Plant Taxonomy
b BOT 5485C Terrestrial Cryptogams
b SPC 1016 3 hrs

a ENY 4004C General Entomology
MCB 3020C General Microbiology
MCB 3301C Aquatic Biology

a ZOO 4205C Bio & Ecol of Metazoan Inverts
a ZOO 4310C Vertebrate Evolution & Ecol
a ZOO 4513 Animal Behavior

a ZOO 5456C Ichthyology
a ZOO 5520 Behavioral Ecology

a ZOO 5813 Zoogeography
a ZOO 5891C Fisheries Management
a ZOO 5893L Repro Mgt Zool Env

Additional courses (e.g., PCB 4422L and PCB 5408L) may be used to meet a group requirement with approval of the Curriculum Committee via petition.

5. Departmental Exit Requirements

A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.

Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.

Biology majors should not take any courses required in the major as a transient student at a community college.

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
BIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)

College of Sciences
Biology Department, BL 301, 407-823-2141
http://www.cas.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Students who hope to gain admission to a professional school (medical, dental, optometry, veterinary medicine, etc.) may meet the admission requirements while pursuing a Biology degree. The following track lists courses that will meet both sets of requirements.

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.
- Notice: Professional schools do not accept AP or IB credit.
- Co-op or internship credit cannot be used in the major
- No more than four hours of BSC 4422L, BSC 4937L, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 23 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

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 1016 3 hrs
   - B. Cultural and Historical Foundations
     9 hrs
   - C. Mathematical Foundations
     4 hrs
   - D. Social Foundations
     3 hrs
   - E. Science Foundations
     6 hrs
   - 1. Select CHM 2045C+ Chem Fund I GEP
   - 2. Select STA 2023* Statistical Methods I GEP
   - 3. Core requirements (21 hrs)
     1. Select MAC 2311 or MAC 2241 4 hrs
     2. Select STA 2023 3 hrs
     3. Social Foundations 6 hrs
     4. Science Foundations 11 hrs
   - 2. Common Program Prerequisites (16 hrs)
     - BSC 2010C Biology I GEP
     - BSC 2011C Biology II GEP
     - Select one Calculus course
     - MAC 2311* Calculus w/ Anal Geometry I GEP
     - MAC 2241 Calculus for Life Sciences
     - STA 2023* Statistical Methods I GEP
     - CHM 2045C* Chemistry Fund II GEP
     - CHM 2211 & L Organic Chem. II & lab 5 hrs
     - PCB 3023 Mol Cell Biology 3 hrs
     - PCB 3044 Principles of Ecology 3 hrs
     - 3. Core requirements (21 hrs)
     - 1. Select CHM 2211 or MAC 2241 4 hrs
     - 2. Select STA 2023 3 hrs
     - 3. Social Foundations 6 hrs
     - 4. Science Foundations 11 hrs
     - Select one Physics sequence with labs* 8 hrs
     - PHY 2053C College Physics I
     - PHY 2054C College Physics II
     - PHY 2048 & L Physics Engr. & Sci. I & Lab
     - PHY 2049 & L Physics Engr. & Sci. II & Lab
   - *See Transfer Notes for possible substitutes
   - *CHM 2040 plus CHM 2041 can substitute for CHM 2045C

3. Core requirements (21 hrs)

4. Restricted Electives (Suggested) (22 hrs)

- Student must complete at least one course dealing exclusively...
## UCF Degree Programs

with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).

- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher.
- 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>a. BSC 4454</td>
<td>Research in Animal Physiology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3024L</td>
<td>Molecular Cell Biology Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5665C</td>
<td>Human Genetics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>a. PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>a. ZOO 3713C</td>
<td>Comparative Vert Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>a. ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>a. ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 4.2 Environmental (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. BOT 3800</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4.3 Systematic (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>a. ZOO 4205C</td>
<td>Bio &amp; Ecol of Metazoan Inverts</td>
<td>4 hrs</td>
</tr>
<tr>
<td>a. ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecol</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors may not take any courses required in the major as a transient student at a community college.

### 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 hours

**Related Programs:** Biology, Chemistry, Molecular/Microbiology

**Related Minors:** none

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:

- BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and must still be taken.
- MAC 2311: may use MAC 2233, MAC 2253 or MAC 2281
- PHY 2048 & 2049: 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.

**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**

- Chem test: See catalog 0
- Math test: See catalog 0

**Freshman Year**

**Fall**

- BSC 2010C Biology I 4
- CHM 2045C Chemistry Fund I 4
- ENC 1101 Composition I 3
- Elective* Check restrictions 3

**Spring**

- BSC 2130 Organic Chm I 4
- CHM 2211 Organic Chm II 4
- Elective* Check restrictions 3

**Sophomore Year**

**Fall**

- MAC 2311 Calc Anal Geo I 4
- POS 2041* req# 1D1-GEP 3
- STA 2023 Stat Methods I 3
- CHM 2210 Organic Chm II 4
- PCB 3044 Prin of Ecology 3

**Spring**

- BSC 2011C Biology II 4
- CHM 2211 Organic Chm II 4
- Elective* Check restrictions 3

**Junior Year**

**Fall**

- HUM 2210* req# 1B1-GEP 3
- PHY 2048* req# 2-CPP 3
- PCB 3023 Mol Cell Biology 3
- ZOO 3713C* req# 4.1-ResEl 5

**Spring**

- MUL 2010* req# 1B2-GEF 3
- PHY 2049* req# 2-CPP 3
- PCB 4723* req# 4.1-ResEl-a 3
- Elective* Check restrictions 3

**Senior Year**

**Fall**

- PSY 2012* req# 1D2-GEF 3
- REL 2300* req# 1B3-GEP 3
- PCB 4683 Popl Biology Evol 4
- Elective* Check restrictions 3

**Spring**

- CHM 2211 Organic Chm I 4
- Elective* Check restrictions 3
- Elective* Check restrictions 3

**BUSINESS ADMINISTRATION (B.A.B.A.)**

(Completion program for individuals who have a statewide articulated A.A. from a Florida public community college)

**College of Business Administration**

**BA 240, 407-823-2184**

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

**email: cba@bus.ucf.edu**

Clermont campus advising: Selena Forrest, 352-536-2174; Cocoa campus advising: Angelia Jones, 321-433-7889; Daytona campus advising: LeeAnn Davis, 386-506-4021; Main Campus Advising: BA 325, 407-823-5256

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance.
Students wanting to major in General Business must apply for admission. 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 (15) of the 30 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
      Select SPC 1600
   B. Cultural and Historical Foundations
      Select MAC 1105 College Algebra
   C. Mathematical Foundations
      Select STA 2023 Principles of Statistics
   D. Social Foundations
      Select ECO 2013 Microeconomics or ECO 3401 Quantitative Business Tools
   E. Science Foundation

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a "C" (2.0) or better.
   - ACG 2071 Principles of Managerial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Macroeconomics
   - ECO 2023 Microeconomics
   - ECO 3401 Quantitative Business Tools
   - CGS 2100CG Computer Fundamentals for Business
   *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" (2.0) or better must take ECO 3401.

3. Common Body of Knowledge (30 hrs)
   Required for all students
   - First or subsequent semester in the College of Business Administration:
     - GEB 3336 Introduction to International Business
     - BUL 3130 Legal & Ethical Environments of Business
     - ECO 3411 Quantitative Business Tools I
     - FIN 3403 Business Finance
     - MAN 2055 Management of Organizations
     - ISM 3011 Essentials of Management Information Systems
     - MAR 3023 Marketing
   - Last Semester:
     - MAN 4720 Strategic Management

4. Area of Specialization (18 hrs min)
   - 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 (15) of the 30 upper level business courses for the degree program in the UCF College of Business Administration. 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.

CARDIOPULMONARY SCIENCES (B.S.)

College of Health and Public Affairs
HPA2 210; 407-823-2214
http://www.cohpa.ucf.edu/health.pro/
Undergraduate Program Director: Jeffery E. Ludy, EdD, RRT
E-mail: judy@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 February 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of February 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program.
UCF Degree Programs

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.

- A personal interview is a required part of the application process.

- 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 in 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 visit to a respiratory or cardiopulmonary department.

- Applicants are required to complete a cardiopulmonary resuscitation (CPR) program specifically designed for health care providers prior to admission to the 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 limited access 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 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.

Note: A total of 20 UCF undergraduate students are admitted each Fall semester for the regular Cardiopulmonary Sciences program. Registered Respiratory Therapists (RRT’s) applying for this program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

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 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 hrs)

A. Communication Foundations (9 hrs)

B. Cultural Historical Foundations (9 hrs)

C. Mathematical Foundations (6 hrs)

Select MAC 1105
Select STA 2023
D. Social Foundations (6 hrs)

Select ECON 2010
Select HSC 4550
E. Science Foundations (6 hrs)

Select PHY 2014
Select PCB 2003
2. Common Program Prerequisites (16 hrs)

MAC 1105 College Algebra GEP
STA 2023 Statistical Methods I GEP
BSC 2010C Biology I GEP
MCB 2004C Microbiology 4 hrs
ZOO 3733C Human Anatomy* 4 hrs
PCS 3703C Human Physiology* 4 hrs
CHM 1032&L Chemistry for Health Sciences or higher level (with lab) 4 hrs
PHY 2053C College Physics or higher level (with lab)

* see transfer notes

3. Core Requirements (75 hrs)

RET 3026C Intro. to Respiratory Care 4 hrs
RET 3484C Cardiopulmonary Physiology 4 hrs
HSC 4550 Pathophysiological Mechanisms 3 hrs
HSC 4148 Medical Pharmacology I 2 hrs
HSC 5993 HIV Disease: A Human Concern 3 hrs
RET 4503 Chest Medicine 3 hrs
RET 4244 Life Support Systems 3 hrs
RET 4838C Respiratory Clinical Assessment 3 hrs
RET 3264C Mechanical Ventilation 3 hrs
HSC 4149 Medical Pharmacology II 2 hrs
RET 4414C Pulmonary Function Studies 4 hrs
RET 3174 Pediatric Respiratory Care 3 hrs
RET 3874 Clinical Practice I 5 hrs
RET 4284 Cardiopulmonary Diagnostics I 3 hrs
RET 4715 Neonatal Medicine 3 hrs
RET 4034 Problems in Patient Management. 3 hrs
RET 3875 Clinical Practice II 6 hrs
RET 4285 Cardiopulmonary Diagnostics II 2 hrs
RET 4934 Selected Topics in Respiratory Care 2 hrs
RET 4876 Clinical Practice III 8 hrs
RET 4536 Cardiopulmonary Rehabilitation 3 hrs

4. Upper Division Restricted Electives none

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

Transfer Notes:
The UCF Cardiopulmonary Sciences program maintains an active transfer program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This pro-
gram 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.

Community College Equivalents

College Algebra (MAC 1105) or (higher level) 3 hrs
Statistics (STA 2023) or (higher level) 3 hrs
College Physics (PHY 2007L) or (PHY 3004L) or higher level with labs 4 hrs
General Chemistry with Lab (CHM 1031L) or (higher level) 4 hrs
Biology I with Lab (BSC 1005L) or (higher level) 4 hrs
General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020L) or (PHA 2751) 4 hrs
Human Anatomy and Physiology I & II (BSC 2093C and 2094C) or (BSC 2085 and 2086) replaces Anatomy and Physiology courses (ZOO 3733C and PCB 3703C) 8 hrs

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 16
ENC 1101 3
CHM 1032 and lab 3/1
BSC 2010C 4
MAC 1105 3
EIH 2000 or HUM 2210 or AMH 2010 3
ANT 2000 or SYG 2000 3
HSC 2000 2
Spring 16
ENC 2102 3
MCB 2004C 4
MAC 1114 3
Sophomore Year
Fall 14
PHY 2053C 3
ZOO 3733C 3
EIH 2001 or HUM 2230 or AMH 2020 3
STA 2023 3
Spring 13
PCB 3703C 3
SPC 1680 3
ECC 2013 or POS 2041 3
One course: ARH 2050 3
One course: ARH 2051, MUL 2010, THE1020, REL 2300, PHI 2010, LIT 2110, LIT 2120 3
Junior Year
Fall 16
RET 3026C 4
HSC 2593 3
HSC 4550 3
HSC 4148 2
RET 3484c 4
Spring 14
RET 4050 3
RET 4244 3
RET 3174 3
RET 3483 3
HSC 4149 2
Summer 12
RET 4414C 4
RET 3264C 3
RET 3874 5
Senior Year
Fall 17
RET 4284 3
RET 3875 8
RET 4715 3
RET 4034 3
Spring 16
RET 4285 3
RET 4876 8
RET 4934 2
RET 4536 3
Minor
none

Accreditation

Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through licensure by the State of Florida.

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care 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.cas.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Contact: Cherie Geiger

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36+3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)
   A. Communication Foundations
      1. Select ENC 1101 and ENC 1102 6 hrs
      2. Prefer SPC 1016 3 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      4 hrs
   D. Science Foundations
      6 hrs
   E. Social Foundations
      4 hrs

2. Common Program Prerequisites (22 hrs)
   *See Transfer Notes for possible substitutes
   - CHM 2045C* Chem Fund I 4 hrs
   - CHM 2046 & L Chem Fund II & lab 4 hrs
   - CHM 2210 Organic Chem. I 3 hrs
   - CHM 2211 Organic Chem. II 3 hrs
   - MAC 2311 Calculus w/ Anal Geometry I GEP
   - MAC 2312 Calculus w/ Anal Geometry II 4 hrs
   - PHY 2048 & L* Physics Engr. & Sci. I & Lab GEP
   - PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

3. Core requirements (39 hrs)
   *See Transfer Notes for possible substitutes
   - CHM 2313 Calculus w/ Anal Geometry III 4 hrs
   - CHM 2311L Organic Lab Techniques I 2 hrs
   - CHM 3212L Organic Lab Techniques II 2 hrs
   - CHM 3120 & L Analytical Chemistry & Lab 4 hrs
   - CHM 3410 Physical Chemistry I 4 hrs
   - CHM 3411 Physical Chemistry II 3 hrs
   - CHM 3411L Physical Chemistry Lab 2 hrs
   - CHM 4610 Inorganic Chemistry 3 hrs
   - CHM 4610L Inorganic Chemistry Lab 2 hrs
   - CHM 4130C Adv Analytical Lab Technique 4 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 4 hrs
   - PHY 2049 & L Physics Engr. & Sci. II & Lab 4 hrs
   - BCH 4053 Biochemistry I 3 hrs
   - BSC 2010C Biology I GEP
   - STA 1060C Statistics Using Excel 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - CGS 1060C Intro to Computer Science 3 hrs
   - BCH 4054 Biochemistry II 3 hrs
   - CHM 5255 Advanced Organic Chem I 3 hrs
   - CHM 5220 Organic Chem III 3 hrs
   - CHM 5235 Applied Molec Spectroscopy 3 hrs
   - CHM 5550 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
   - CGS 1060C Intro to Computer Science 3 hrs

4. Upper Division Restricted Electives (6 hrs)
   - BCH 4054 Biochemistry II 3 hrs
   - CHM 5252 Advanced Organic Chem I 3 hrs
   - CHM 5220 Organic Chem III 3 hrs
   - CHM 5235 Applied Molec Spectroscopy 3 hrs
   - CHM 5550 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

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

6. Departmental Exit Requirements
- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a “C” GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Computer Competency met by STA 1060C, a computer science course, or by departmental assessment
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

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.
  Note: Chemistry majors may count MAC 2313, CHM 2211, and PHY 2049 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 hours

Related Programs: Forensic Science, Molecular and Microbiology, Science Education
Related Minors: Chemistry, Molecular and Microbiology

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:
- CHM 2045C*: may use CHM 1040 plus CHM 1041
- 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 requ 126ed 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.

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
Chem test See catalog 0
Math test See catalog 0

Freshman Year
Fall
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geo I 4
CHM 2045C Chemistry Fund I 4

Spring
BSC 2010E Biology II 4
ENC 1101 Composition II 3
MAC 2311 Calc Anal Geo II 4
CHM 2045C Chemistry Fund II 4

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 Chm I 3
MAC 2313 Calc Anal Geo III 4

Spring
PHY 2048 Phy for Eng Sci II 3
PHY 2048L Phy L Eng Sci II 1
PHY 2049 Phy for Eng Sci II 3
PHY 2049L Phy L Eng Sci II 1
CHM 2211 Organic L Tech I 2

Junior Year
Fall
POS 2041 req# 1D1-GEP 3
BCN 4053 Biochemistry I 3
CHM 3120 Analy Chemistry 5
CHM 3212L Organic L Tech II 2
CHM 3410 Physical Chm I 3

Spring
CHM 3411 Physical Chm II 3
CHM 3411L Physical Chm L 2
CHM 4130 Adv Analy L Tech 4
CHM 4610 Organic Chemistry 3
CHM 4054 req# 4-ResEl 3

Senior Year
Fall
HUM 2210 req# 1B1-GEP 3
CHM 4610L Inorg Chemistry L 2
CHM 4914C Undergrad Res Meth 3
CHM 4920 req# 4-ResEl 3
PCB 3063 req# 5-DirEl 3

Spring
MLE 2010* req# 1B2-GEP 3
CHM 4610L Inorg Chemistry L 2
CHM 4914C Undergrad Res Meth 3
CHM 4920 req# 4-ResEl 3

CINEMA STUDIES TRACK in FILM
See Film - Cinema Studies Track

CIVIL ENGINEERING (B.S.C.E.)
College of Engineering and Computer Science
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-Mail: cpolh@mail.ucf.edu
Associate Chair: Shiou-San Kuo, Ph.D., P.E., E-Mail: aoloufakuo@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 (36+2 hrs)

Engineering Students
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.
A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3032 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations
2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

- CHM 2045/45L Chemistry Fundamentals I with Lab 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- Humanities Courses 3 hrs
- Social Science Courses 3 hrs

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 the requirements and normally are awarded grades of I, S, or U.

- EGN 1006C Intro to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts & Methods 1 hr
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis - Statics 3 hrs
- EGN 3321 Engineering Analysis - Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3358 Structure & Properties of Materials 3 hrs
- EGN 3371 Principles of Electrical Engineering 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- CCE 4003 Intro to the Construction Industry 3 hrs
- ENV 4001 Intro to Environmental Engineering 3 hrs
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CEG 4101C Geotechnical Engineering I 4 hrs
- CES 4100C Structural Analysis I 4 hrs
- CES 4005 Steel Structures or
- CES 4702 Reinforced Concrete Structures 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- ENV 4501 Environmental Engng-Process Design 4 hrs
- SUR 2101C Surveying 3 hrs
- TTE 4004 Transportation Engineering 4 hrs

4. Approved Technical Electives (3 hrs)
Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult 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)
- Approved CE Project Design Course I 3 hrs
- Approved CE Project Design Course II 3 hrs
- Civil engineering students must take the Fundamentals Exam during their Senior year.
- Earn a minimum graduating GPA of 2.25 in the major courses

from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in 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: Environmental Engineering
Related Minors: Mathematics, Engineering Leadership & Management.
Transfer Notes:
- 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 with his/her petition for this evaluation.

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.

Civil Engineering - 128 semester hours required

FIRST YEAR
Fall 14 hrs1 Spring 15 hrs1
- ENC 2111 English Comp I 3 hrs
- ENC 2112 English Comp II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- Humanities Courses 3 hrs
- Social Science Courses 3 hrs

SECOND YEAR
Fall 16 hrs1 Spring 16 hrs1
- ENC 2111 English Comp I 3 hrs
- ENC 2112 English Comp II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- Humanities Courses 3 hrs
- Social Science Courses 3 hrs

Summer 9 hrs
- STA 3032 Prob/Stats for Engrs 3 hrs
- EGN 3311 Mech of Materials 3 hrs
- ENV 3301 Intro to Environ Eng 3 hrs

THIRD YEAR
Fall 16 hrs1 Spring 16 hrs1
- CWR 3201 Eng Fluid Mechanics 3 hrs
- CWR 4101C Hydrology 3 hrs
- CCE 4003 Intro to Const Indus 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- CES 4100C Structural Analysis I 3 hrs
- SUR 2101C Surveying 3 hrs
- TTE 4004 Transportation Engineering 4 hrs

FOURTH YEAR
Fall 12 hrs
- ENV 4501 Eng Proj/Proc Design 3 hrs
- CEG 4101C Geotechnical Engr 3 hrs
- CES 4005 Steel Structures 3 hrs
- Approved Project Design Course 3 hrs

Graduation: none
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.

CIVIL ENGINEERING - CONSTRUCTION ENGINEERING CONCENTRATION (B.S.C.E.)
College of Engineering and Computer Science

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A. Communication Foundations
      1. ENC 1101 & ENC 1102 9 hrs
      2. Prefer SPC 1016
   B. Cultural and Historical Foundations
      1. Select two courses from Historical Foundations 9 hrs
      2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120 7 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 (PR: MAC 1141) 6 hrs
      2. Select STA 3023 (PR: MAC 2312) 6 hrs
      3. Select PHY 2048/48L (PR: MAC 2311) 7 hrs
   D. Social Foundations
      1. Introduction to the Profession 1 hr
   E. Science Foundations
      1. Select two courses from Physical Science GEP 6 hrs
   F. Humanities Courses
      1. ENGL 2010, ENGL 2110, or ENGL 2210 3 hrs
   G. Social Science Courses
      1. ENC 1102 3 hrs
   H. Humanities or Social Sciences GEP
      1. ENC 1102 3 hrs
   I. Electives
      1. Select two courses from Historical Foundations 6 hrs
      2. Select STA 3023 (PR: MAC 2312) 6 hrs
      3. Select PHY 2048/48L (PR: MAC 2311) 7 hrs

2. Common Program Prerequisites (CPP's)
   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.

   A. Chemistry Fundamentals I with Lab 4 hrs
   B. Calculus with Analytic Geometry I 4 hrs
   C. Calculus with Analytic Geometry II 4 hrs
   D. Calculus with Analytic Geometry III 4 hrs
   E. Differential Equations 4 hrs
   F. Physics for Engineers & Scientists I 4 hrs
   G. Physics for Engineers & Scientists II 4 hrs
   H. Composition I 4 hrs
   I. Composition II 4 hrs
   J. Humanities Courses 4 hrs
   K. Social Science Courses 4 hrs
   L. Humanities or Social Sciences GEP 4 hrs

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 and normally are awarded grades of I, S, or U.

   A. Introduction to the Profession 1 hr
   B. Engineering Concepts & Methods 1 hr
   C. Chemistry Fundamentals II 3 hrs
   D. Engineering Analysis - Statics 3 hrs
   E. Engineering Analysis - Dynamics 3 hrs
   F. Mechanics of Materials 3 hrs
   G. Engineering Economic Analysis 2 hrs
   H. Introduction to Environmental Engineering 3 hrs
   I. Probability & Statistics for Engineers 3 hrs
   J. Construction Equip & Productivity 3 hrs
   K. Structural & Prop of Materials 3 hrs
   L. Construction Methods 3 hrs
   M. Construction Estimating & Scheduling 3 hrs
   N. Construction Industry 3 hrs
   O. Geotechnical Engineering I 4 hrs
   P. Structural Analysis I 4 hrs
   Q. Reinforced Concrete Structures 3 hrs
   R. Engineering Fluid Mechanics 3 hrs
   S. Managerial Accounting 3 hrs
   T. Surveying 3 hrs
   U. Transportation Engineering 4 hrs

4. Approved Engineering Science Electives (3 hrs)
   Engineering Science electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students are encouraged to take either EGN 3343 (Thermodynamics) or EGN 3373 (Principles of Elect Engr) 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.

   A. Construction Engr. Design Project 3 hrs
   B. Geotechnical Engr. Design 3 hrs
   C. Civil engineering students must take the Fundamentals Exam during their Senior year.
   D. Earn a graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

5. Departmental Graduation Requirements (6 hrs)
   A. Construction Engr. Design Project 3 hrs
   B. Geotechnical Engr. Design 3 hrs

6. Foreign Language Requirements (0-8 hrs)
   A. 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.
   B. Graduation: none

7. 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 minimum of 45 hours of extension, correspondence, CLEP,
Credit by Exam, and Armed Forces credits permitted

1. 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: Environmental Engineering.

Related Minors: Mathematics, Engineering Leadership & Management.

Transfer Notes:

1. Courses taken from Community Colleges do not substitute for Upper Division Courses.
2. Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

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.

Civil Engineering - Construction Engineering Option
128 semester hours required

FIRST YEAR

Fall 14 hrs 1 Spring 15 hrs 1

**Notes:**
1. Courses marked with an asterisk (*) are all required courses in UCF's General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Engineering Science Elective may be satisfied by taking either EGN 3343 or EGN 3373, other courses must be approved by 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.

SCANDINAVIAN STUDIES

COMMUNICATION SCIENCES AND DISORDERS (B.A., B.S.)


Chair: R. Jane Lieberman, Phone: 407-823-4798
Undergraduate Coordinator: Jamie B. Schwartz
E-mail: jschwart@mail.ucf.edu
Phone: 407-823-4798

Admission Requirements none

Degree Requirements

1. Students who change degree programs and select this major must adopt the most current catalog
2. Students should complete the General Education Program before transferring within the Florida Public University/Community College System
3. Students must attend an orientation and consult with a departmental advisor
4. 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
5. Students must earn at least a “C” (1.75) in each required course, course restricted elective, and B.A./B.S. elective.
6. The courses designated in section 1 (General Education) should usually be completed in the first 60 hours

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

2. Common Program Prerequisites none

3. Core Requirements (60 hrs)

   A. DEP 2004 Developmental Psychology
      3 hrs
   B. SPA 3471 Communication Disorders in Literature and Media
      3 hrs
   C. SPA 3101 Physiological Bases of Speech and Hearing
      3 hrs
   D. SPA 3112 Basic Phonetics
      3 hrs
   E. SPA 3112L Basic Phonetics Lab
      1 hr
   F. LIN 3716 Language Development: Birth through 8 yrs
      3 hrs
   G. SPA 3011 Speech Science I: Speech Production
      3 hrs
   H. SPA 3011L Speech Production Lab
      1 hr
   I. LIN 3717 Language Development: 9 through 18 yrs
      3 hrs
   J. SPA 3104 Neural Bases of Communication
      3 hrs
   K. SPA 3123 Speech Science II: Speech Perception
      3 hrs
   L. SPA 3123L Speech Perception Lab
      1 hr
   M. SPA 4476 Speech Disorders Across the Lifespan
      3 hrs
   N. SPA 4032 Audiology
      3 hrs
   O. SPA 4478 Multicultural Aspects: Communications Disorders and Differences
      3 hrs
   P. LIN 3711 Language Analysis
      3 hrs
   Q. LIN 3711L Language Analysis Lab
      1 hr
   R. SPA 4400 Language Disorders Across the Lifespan
      3 hrs
   S. SPA 4321 Aural Habilitation-Rehabilitation
      3 hrs
   T. EAB 3703 Principles of Behavior Modification or
      3 hrs
   U. EEX 4601 Introduction to Behavior Management or
      3 hrs
   V. EEC 4604 Guidance of Young Children or
      3 hrs
   W. ED 3307 Learning Environments and Guidance for Young Children or
      3 hrs
   X. SPA 3472 Guidance of Young Children w/Communicative Disorders
      3 hrs
   Y. SPA 4500C Clinical Methods in Communicative Disorders
      5 hrs
   Z. SPA 4052L* Undergraduate Clinical Practicum or
      3 hrs
   AA. SPA 4948 Community Internship
      3 hrs

4. Statistics Requirement (6 hrs)

   Students have two options for completing this requirement:

   Option 1:
   STA 2023 Statistical Methods I GEP and
   3 hrs

   Option 2:
   STA 2023 Statistical Methods I GEP and
   3 hrs
5. Upper Division Restricted Electives (6 hrs) An additional six credit hours of upper division course work in Communicative Disorders selected in consultation with the academic advisor.

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department.

7. Foreign Language Requirements Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. ASL (American Sign Language) 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 Students must achieve a minimum grade of “C-” (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the Department.

Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

9. University Minimum Exit Requirements (120 hrs)
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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 hours

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Education

Related Minors: Exceptional 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 2023 to fulfill the first part of the statistics requirement

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 16 hrs
ENC 1101 3
PSTY 2012 3
BSC 1005 3
One Course: ARH 2050 or ARH 2051 or MUL 2010 or THE 2000 or REL 2300 or PHI 2010 or LI 2110 or LI 2120

Sophomore Year
Fall 15/16 hrs
SPC 1000 3
EUH 2001 or HUM 2230 3

Spring 16/17 hrs
ENC 1102 3
PSC 1121 or PHY 2053C 3
ECO 2033 or ECO 2023 3
or MAT 2031 or MAT 2035 or Dip 204 3

Spring 16/17 hrs
EAB 3703 or EDF 3307 3
EAB 3703 or EDF 3307 3

Spring 16/17 hrs
MIS 1106 or MAC 1105 3
or EED 4601 3

Spring 16/17 hrs
Foreign Lang. I (B.A.) or Health Science (B.S.) 3/4
or STA 2022 3

Spring 16/17 hrs
Foreign Lang II (B.A.) or Health Science (B.S.) 3/4

Senior Year
Fall 15 hrs
SPA 4032 3
SPA 4400 3
SPA 4550C 5

Spring 15 hrs
SPA 4321 3
SPA 4052L or SPA 4948 3
HSA 4701 or elective 3

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 Communicative Disorders. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate work in the major. 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 Communicative Disorders and five years to complete the degree.

COMPUTER ENGINEERING (B.S.Cp.E.)
College of Engineering and Computer Science
Department School of Electrical and Computer Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 245
407-823-2786, Fax: 407-823-5835,
http://www.cpe.ucf.edu
Brian Petrasko., E-Mail: petrasko@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1016

B. Cultural and Historical Foundations
   1. Select two courses from Historical Foundations

C. Mathematical Foundations
   1. Select MAC 2311 (PR: MAC 1141).
   2. Select STA 3032 (PR: MAC 2312)

   1. Select two courses from Historical Foundations

   1. Select MAC 2311 (PR: MAC 1141).
   2. Select STA 3032 (PR: MAC 2312)
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


Transfer Notes:
- Courses transferred 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 with his/her petition for this evaluation.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Hours</th>
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<tbody>
<tr>
<td>First Semester</td>
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<tr>
<td>EGN 1006C Intro to the Engineering Profession</td>
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</tr>
<tr>
<td>EGN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis - Statics</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>EGN 3321 Engineering Analysis - Dynamics or EEL 3309 Thermo-Fluids-Heat Transfer</td>
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<tr>
<td>STS 3032 Probability &amp; Statistics for Engineers</td>
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SECOND YEAR

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<tr>
<td>Second Semester</td>
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<tr>
<td>EEN 3306 Electrical Networks</td>
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<tr>
<td>EEN 3123C Modern Devices</td>
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<tr>
<td>EEN 3307C Circuits</td>
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<tr>
<td>EEN 3342C Intro to Digital Circuits &amp; Systems</td>
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<td>EEN 3557 Control Systems</td>
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<td>EEN 3801C Intro to Computer Engineering</td>
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<tr>
<td>EEN 4670C System Design I</td>
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<td>EEN 4678C System Design II</td>
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<tr>
<td>EEN 4701C Computer Networks</td>
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<tr>
<td>EEN 4861C Engineering Data Structures</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEN 4882 Electrical System Software</td>
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<td></td>
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<tr>
<td>EEN 4884C Electronic Software Design</td>
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Summer

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<tr>
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<tr>
<td>EEN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
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<td>EEN 3310 Engineering Analysis - Statics</td>
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<td>EEN 3321 Engineering Analysis - Dynamics or EEL 3309 Thermo-Fluids-Heat Transfer</td>
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<tr>
<td>STS 3032 Probability &amp; Statistics for Engineers</td>
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THIRD YEAR

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<tr>
<td>EEN 4851C Data Structures</td>
<td>3 hrs</td>
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<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
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<tr>
<td>EEN 3123C Networks and Systems</td>
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Summer

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<td>Summer</td>
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<td>EEL 3004 Electrical Networks</td>
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<tr>
<td>EEN 3306 Semiconductor Devices</td>
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<td></td>
</tr>
<tr>
<td>EEN 4851C Data Structures</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics</td>
<td>4 hrs</td>
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<tr>
<td>EEN 3123C Networks and Systems</td>
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FOURTH YEAR

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<tr>
<td>EEL 4678C Computer Networks</td>
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<tr>
<td>EEL 4884C Engr S/W Design</td>
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<tr>
<td>EEL 4914 Senior Design</td>
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<tr>
<td>EEL 4914 Senior Design</td>
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</tbody>
</table>

Notes:
- 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 ECEC encourages all engineering students to take the Fundamentals Exam during their Senior year.

Graduation:

none
UCF Degree Programs

on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 2006C 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.

COMPUTER ENGINEERING - SOFTWARE ENGINEERING CONCENTRATION (B.S.Cp.E.)
College of Engineering and Computer Science
Department School of Electrical and Computer Engineering & Computer Science,
Harris Corp Engineering Ctr, Rm 245, 407-823-2549, 407-823-2786, Fax: 407-823-5835,
http://www.cpe.ucf.edu
Brian Petrasko., E-Mail: petrasko@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 (36+2 hrs)
   Engineering Students
   The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.
   A. Communication Foundations  9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1016
   B. Cultural and Historical Foundations  9 hrs
      1. Select two courses from Historical Foundations
      2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120
   C. Mathematical Foundations  7 hrs
      1. Select MAC 2311 (PR: MAC 1144)
      2. Select STA 2023 (PR: MAC 2312)
   D. Social Foundations  6 hrs
      1. Prefer ECO 2013 or ECO 2023
      2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310
   E. Science Foundations  7 hrs
      1. Select PHY 2048/48L (PR: MAC 2311)
      2. ANT 2011, 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.
   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 4 hrs
   - ENC 1102 Composition II 4 hrs
   - Humanities Courses 4 hrs
   - Social Science Courses 4 hrs

3. Courses Required for the Engineering Core  (14 hrs)
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3306 Semiconductor Devices 3 hrs
   - EEL 3307 Electronics I 4 hrs
   - EEL 3342C Intro to Digital Circuits & Systems 3 hrs
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C Intro to Computer Engineering 3 hrs
   - EEL 4767C Computer System Design I 4 hrs
   - EEL 4768C Computer System Design II 4 hrs
   - EEL 4781 Computer Comm Networks 3 hrs
   - EEL 4851C Engineering Data Structures 4 hrs
   - EEL 4882 Engineering System Software 3 hrs
   - EEL 4894C Engineering Software Design 4 hrs

4. Courses Required for the Major  (45 hrs)
   - EEL 3004 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEL 3306 Semiconductor Devices I 3 hrs
   - EEL 3307C Electronics I 4 hrs
   - EEL 3342C Intro to Digital Circuits & Systems 3 hrs
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C Intro to Computer Engineering 3 hrs
   - EEL 4767C Computer System Design I 4 hrs
   - EEL 4768C Computer System Design II 4 hrs
   - EEL 4781 Computer Comm Networks 3 hrs
   - EEL 4851C Engineering Data Structures 4 hrs
   - EEL 4882 Engineering System Software 3 hrs
   - EEL 4894C Engineering Software Design 4 hrs

5. Approved Software Technical Electives  (6 hrs)
   Technical electives 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 (if applicable).

Total Semester Hours Required:  128 hrs

Related Minors: Information Technology, Computer Science.
Intelligent Robotic Systems, Engineering Leadership & Management.

Transfer Notes:
- 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 with his/her petition for this evaluation.

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

#### FIRST YEAR

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<thead>
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<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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<td></td>
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<tr>
<td></td>
<td>*Cultural Foundations 3</td>
<td>*ENC 1102 English Comp II 3</td>
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<td></td>
<td>*ENC 1101 English Comp I</td>
<td>*EGL 1007C Eng Conc &amp; Meth 1</td>
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<td></td>
<td>*SPE 1016 Tech Presentations 3</td>
<td>*MAC 2312 Calc with Analy Geo II 4</td>
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<td>EGN 1006C Intro to Engr 1</td>
<td>*PHY 2048L Phys for Eng/Sci I 4</td>
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<td>*MAC 2311 Calc with Analytic Geo I 4</td>
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<td><strong>Summer</strong></td>
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#### SECOND YEAR

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<td>*PHY 2049 Phys Engr/Sci II 3</td>
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<td>*EGL 3369 Ther-Flds-Ht Tran 3</td>
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<td>EGN 3310 Engr Anal-Statis 3</td>
<td>EGN 3420 Eng Anal/S2 3</td>
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<td>EEL 3801C Intro Cmptr Engr2 3</td>
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#### SUMMER

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#### THIRD YEAR

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<tr>
<td></td>
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<tr>
<td></td>
<td>EEL 3306 Semicontr Dev I 3</td>
<td>EEL 3307C Electronics I 4</td>
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<tr>
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<td>EEL 4851C Eng Data Struc 4</td>
<td>EEL 3657 Linear Cont Sys 3</td>
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<td></td>
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<td>EEL 4882 Engng Sys S/W 3</td>
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#### FOURTH YEAR

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<td>EEL 4884C Engr S/W Dsng 4</td>
<td>CEN 4020 Comp Des S/W Engr 3</td>
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<td>EEL 4914 Senior Design I 3</td>
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<td>Approved software technical elective 3</td>
<td>EEL 4915L Senior Design II 3</td>
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<td>EEL 4781 Comp Cmmn Ntwks 3</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 GEP elsewhere in this 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 4. Approved Technical Electives.

### COMPUTER SCIENCE (B.S.)

**College of Engineering and Computer Science**  
**School of Electrical Engineering & Computer Science**  
**Harris Corp Engineering Ctr, Rm 245**  

**E-mail:** computerscience@ucf.edu  
David Workman, 407-823-2341

**Foundation Examination**

Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

**Degree Requirements**

- Students must earn at least a 2.0 in each course in 2-6.
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.

**Electives** (variable)

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

---

**UCF Degree Programs**

1. **UCF General Education Program** (36+3 hrs)
   - Communication Foundations 9 hrs
   - History: 18 hrs + GEP
   - Social Foundations 6 hrs
   - Behavioral Science (36 hrs)
   - Natural Science (36 hrs)
   - Mathematics (33 hrs)

2. **Common Program Prerequisites** (15 hrs)
   - COP 2233 C Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - COP 4331 Computer Organization 4 hrs
   - COP 4332 Operating Systems 3 hrs
   - EEL 3123 Networks and Systems 3 hrs

3. **Basic Core requirements** (26 hrs)
   - COP 3330 Intro to OOP Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - STA 2023 Statistical Methods I 4 hrs
   - ENC 3241 Technical Report Writing 3 hrs
   - CDA 3103C Computer Organization 4 hrs
   - COT 3100C Intro to Discrete Structures 3 hrs
   - PHI 3626 Ethics in Science and Technology 3 hrs
   - COP 4309C Systems Software 3 hrs
   - COT 3960 Foundation Exam (PR:COT 3100 & COP 3502) 0 hrs

4. **Advanced Core** (16 hrs)
   - Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
   - COP 4331 Processes for OOD Development 4 hrs
   - COP 4332 Comp Architecture 3 hrs
   - COP 4210 Discrete Comp Structures 3 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4600 Operating Systems 3 hrs

5. **Restricted Electives** (18 hrs)
   - 4000-5000 level Computer Science courses that must include COT 4810 (Topics in Computer Science).
   - 4000-5000 level mathematics or statistics 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 semesters 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
- 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: Computer Engineering, Information Technology, Management Information Systems

Related Minors and Certificates: Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks

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.

**FIRST YEAR**

Fall 12 hrs  
ENC 1101 English Comp I 3  
SPC 1016 Tech Presentations 3  
COT 3100 Intro. Discrete Structures 3  
COP 3223  C Programming 3  
Summer 7 hrs  
MAC 2312 Calc with Analy Geo I 4  
COP 3330 Intro to OOP/Java 3  

**SECOND YEAR**

Fall 14 hrs  
COP 3402 Systems Software 3  
COP 3503C Comp Science II 4  
PHY 2048 Physics for Sci w/lab 4  
Cultural Foundations 3  
Summer 6 hrs  
STA 2023 Statistical Methods 3  
Social Foundations 3  

**THIRD YEAR**

Fall 13 hrs  
CDA 4150 Computer Architecture 3  
COP 4020 Programming Langs 3  
BSC 2010C Gen Biology I 4  
Social Foundations 3  
Summer 3 hrs  
COT 4210 Discrete Structure II 3  

**FOURTH YEAR**

Fall 12 hrs  
COT 4810 Topics in CS 3  
CS Elective 3  
History Foundations 3  
Free Elective 3  
Spring 12 hrs  
COP 4400 Operating System 3  
CHM 2045C Chemistry I 4  
Math/Stat Restricted Elective 3  

CRIMINAL JUSTICE (B.A./B.S.)
College of Health and Public Affairs
HPA1 311 407-823-2603
http://www.cohpa.ucf.edu/crim jus/
Undergraduate Program Coordinator: Dr. Mary Ann Eastep
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 80 hours
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   Select MGF 1106 Finite Math
   Select CGS 1060C, STA 1060C, or STA 2014C
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites none

3. Core Requirements (18 hrs)
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJA 3510 Prosecution and Adjudication 3 hrs
   CJC 3010 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs

4. Upper Division Restricted Electives (42 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internships 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 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: 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 hours

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.

Transfer Notes:
“D” (1.0) grades are not accepted.

Tentative Course Schedule for Entering Freshmen
Co-op or internship credits are not permitted in this major without residency requirement.

Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken at UCF.

Students must earn at least a "C" (2.0) in each required course.

UCF students who change degree programs and select this major must adopt the most current catalog.

Students should see an advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program

   A. Communication Foundations
   - (36 hrs)
   - (9 hrs)

   B. Cultural and Historical Foundations
   - Take one course from 1.B.1 list
   - Select ARH 2050
   - If Digital Interactive Systems take ARH 2050 or MUL 2010
   - Take one course from either 1.B.1 or 1.B.2
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (6 hrs)

   C. Mathematical Foundations
   - Select MAC 1105 College Algebra and
   - Select COP 2500C Concepts in Computer Science
   - (Note: these two courses fulfill the math GEP)
   - (6 hrs)
   - (6 hrs)

   D. Social Foundations
   - (6 hrs)

   E. Science Foundations
   - (6 hrs)

2. School of Film and Digital Media Common Core

   (15 hrs)
   - DIG 3001* Digital Media Principles
   - FIL 1007 Foundations of Story
   - FIL 1008 Cinematic Expression/Aesthetics
   - FIL 2107 Script Analysis
   - FIL 2224C Foundations of Production
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)

3. Specialization.

   Choose one of the following 2 areas:

   Visual Language (B.A.)
   - (60 hrs)
   - This specialization concerns how to tell stories and communicate using the visual language of the moving image, animation, and cinematic visual effects.

   3A: Visual Language – Program Core:
   - (16 hrs)
   - ARH 2050 History of Western Art I
   - ART 2300C Drawing Fundamentals I
   - ART 2301C Drawing Fundamentals II
   - COP 2500C Concepts in Computer Science
   - DIG 3485 Visual Language of the Moving Image
   - DIG 3486C Computers as Medium
   - DIG 3525 Digital Media Production I
   - MAC 1105 College Algebra
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)

   * See transfer notes for possible substitutions.

3B: Visual Language - Basic Concentration:

   (15 hrs)
   - Note: Admission to all courses after DIG 3485 is dependent on the student’s achieving an ‘A’ or ‘B’ in DIG 3001 and an ‘A’ in the Core course DIG 3485- Visual Language of the Moving Image.
   - DIG 3355 Artificial Environments & Effects
   - DIG 3362 Artificial Characters
   - DIG 3430 Visual Storytelling & Visual Develop
   - DIG 3524 The Production Process
   - DIG 4204 Generating and Manipulating Digital Imagery
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)

3C: Visual Language - Advanced Concentration:

   (25 hrs)
   - Note: Admission to the Advanced Concentration is dependent on a portfolio review by faculty.
   - Choose ten or seven of the following courses:
     - DIG 4206C New Imagery in Motion Workshop
     - DIG 4325C Look Modeling Workshop
     - DIG 4326C Geometric Modeling Workshop
     - DIG 4359C Artificial Environment & Effects Workshop
     - DIG 4369C Artificial Characters Workshop
     - DIG 4451C Visual Storytelling & Visual Dev Workshop
     - DIG 4522L Digital Media Service
     - DIG 4524L Digital Media Production Project I
     - DIG 4526C Digital Media Production II
     - IDS 4786C Production Software
     - IDS 4703 Digital Media Project II
     - (3 hrs)
     - (4 hrs)
     - (4 hrs)
     - (4 hrs)
     - (4 hrs)
     - (4 hrs)
     - (3 hrs)
     - (3 hrs)
     - (3 hrs)
     - (3 hrs)

Digital Interactive Systems (B.A.):

   (60 hrs)
   - Note: Admission to all courses after DIG 3001 is dependent on the student’s achieving an ‘A’ or ‘B’ in DIG 3001.

3A: Digital Interactive Systems Program Core:

   (21-22 hrs)
   - COP 2500C Concepts in Computer Science
   - DIG 3480C Computers as Medium
   - DIG 3485 Visual Language of the Moving Image
   - DIG 3525 Digital Media Production I
   - DIG 3521 Creative Digital Problem Solving
   - DIG 3811 User Centered Design
   - DIG 3XXX Information Management and Authorship
   - DIG 3XXX Writing for Digital Media
   - (4 hrs)
   - (4 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
   - (3 hrs)
UCF Degree Programs

3B: Digital Interactive Systems Basic Concentration: (15 hrs)
- DIG 3135: Digital Imagery 3 hrs
- DIG 3286C: Assembling Digital Media 3 hrs
- DIG 3XXXX: Digital Media Audio 3 hrs
- DIG 4716L: Internet Interaction 3 hrs
- DIG 4921C: E-Commerce I 3 hrs
- FIL 3625: Interactive Entertainment 3 hrs

3C: Digital Interactive Systems Advanced Concentration:
Select any seven of the following courses (20 hrs)
- DIG 3450C: Interactive Performance I 3 hrs
- DIG 3855: Converging Media 3 hrs
- DIG 4324: Modeling for Real-time Systems II 3 hrs
- DIG 4455C: Interactive Performance II 3 hrs
- DIG 4526C: Digital Media Production II 3 hrs
- DIG 4640: Autonomous Media 3 hrs
- DIG 4641: Creative Digital Devices 3 hrs
- DIG 4713C: Game Design 3 hrs
- DIG 4715C: Game Engines 3 hrs
- DIG 4780: Modeling for Real-time Graphics 3 hrs
- DIG 4922: Media for E-Commerce II 3 hrs
- EME 5050: Technology Integration 3 hrs
- FIL 3297: Sound Design I 3 hrs
- FIL 3625: Interactive Entertainment 3 hrs
- FIL 4212C: Sound Design II 3 hrs
- IDS 3701C: Internet Software Design 3 hrs
- IDS 4703: Digital Media Project 2 3 hrs
- IDS 5136C: Interactive Media Design 3 hrs

Or - any 3000 or 4000 level courses included in another Digital Media Concentration or any other 3000 or 4000 level IDS/DIG Digital Media course.

4. Capstone Experience (4 hrs)
- DIG 3035L: Digital Media Workplaces 1 hr
- DIG 4522L: Digital Media Service 3 hrs
- DIG 4523L: Digital Media Project 2 3 hrs

5. Foreign Language Requirements (0-8 hrs)
BA requirements:
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

6. Electives (variable)
Electives will consist of 3000 and 4000-level courses as approved by the student's advisor. These electives may include IDS 4703 Digital Media Project 2, subject to acceptance in the project.

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 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)

8. Total Semester Hours Required
120 hours

Related Programs: Art, Computer Science, English, Film, Music
Related Minors: Art-Studio, Computer Information Technology, Computer Science, Digital Media, 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.

EARLY CHILDHOOD EDUCATION (PRE-KINDERGARTEN - PRIMARY PK-3) (B.S.)
College of Education
Department of Child, Family, and Community Sciences, ED 209
http://pegasus.cc.ucf.edu/~eceucf

Program Coordinator: Lynn Hartle (until August 2006)
ED 206, 407-823-0045
E-mail: eceu@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 prerequisite courses
- Meet any special departmental requirements

Degree Requirements:
- Students should see their assigned advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101: Composition I 3 hrs
      ENC 1102: Composition II 3 hrs
      Select SPC 1600: Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations* (9 hrs)
      Select AMH 2020: U.S. History 1492-1877 3 hrs
      Select AMH 2021: U.S. History 1877-Present 3 hrs
      Select PHI 2010: Introduction to Philosophy 3 hrs
   C. Mathematical Foundations* (6 hrs)
      Select MGF 1106: Finite Mathematics 3 hrs
   Select one:
      STA 1060C: Basic Statistics using MS Excel or
      STA 2014C: Principles of Statistics
   D. Social Foundations (6 hrs)
      Prefer POS 2041: American National Government 3 hrs
      Prefer SPC 2202: General Psychology 3 hrs
   E. Science Foundations (6 hrs)
      Prefer PSC 1121: Physical Science 3 hrs
      Select one:
      ANT 2511: The Human Species or
      BSC 1005: Biological Principles
   Note: See laboratory component under Section 2.

2. Common Program Prerequisites (25 hrs)
   A. Communications (9 hrs)
      ENC 1101: Composition I
      ENC 1102: Composition II
      SPC 1600: Fundamentals of Oral Communication
      Select one:
      ARH 2561: The History of Art II or
      MUS 2010: Enjoyment of Music or
      THE 2000: Theatre Survey or
      FIL 2400: History of Motion Pictures
   B. Humanities (6 hrs)
      PHI 2010: Introduction to Philosophy
      Select one:
      ARH 2051: The History of Art I or
      ARH 2251: The History of Art II or
      MUS 2010: Enjoyment of Music or
      THE 2000: Theatre Survey or
      FIL 2400: History of Motion Pictures
   C. Mathematics (9 hrs)
      MAC 1105: College Algebra 3 hrs
      MGF 1106: Finite Mathematics
      One of the following (per GEP)
      STA 1060C: Basic Statistics using MS Excel or
      STA 2014C: Principles of Statistics
   D. Social Science/History (12 hrs)
      AMH 2020: U.S. History 1877-Present
      AMH 2021: U.S. History 1492-1877
      POS 2041: American National Government
      Select one:
      ANT 2511: The Human Species or
      BSC 1005: Biological Principles
      Note: See laboratory component under Section 2.
Achieve a minimum 2.5 GPA in all courses within the major.

3. Early Childhood Pre-professional Requirements (6 hrs)
Offered summer semesters. Must be taken prior to Internship II
- ARE 2011 Art & Creativity in Early Child Education 3 hrs
- MUE 2211 Music & Movement in Early Childhood 3 hrs

4. Early Childhood Specialization Requirements
Early Childhood Education majors take a variety of courses related to young children, their learning, their development, and family environment. Students majoring in Early Childhood 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. 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 Early Childhood Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. Required Courses are as follows:

Semester I (15 hrs)
- EDF 3740 Foundations of ECE 3 hrs
- EDF 3310 Observing Child Growth & Development 3 hrs
- LAE 3414 Children's Literature 3 hrs
- EEC 3268 Play Development 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Semester II (15 hrs)
- EDF 3307 Learning Environments & Guidance 3 hrs
- EEX 3450 Young Children with Special Needs 3 hrs
- TSL 4141 Issues in Second Language Acquisition 3 hrs
- RED 3310 Emergent Literacy 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Summer (6 hrs)
Offered summer semesters. Must be taken prior to Internship II
- EEX 4751 Parent Involvement 3 hrs
- EEC 4731 Health, Safety, & Nutrition 3 hrs

Semester III (12 hrs)
- RED 4311 Development of Literacy 3 hrs
- SCE 4023 Teaching Science & Technology 3 hrs
- EEC 3940 Integration Internship I 3 hrs
- MAE 4300 Exploring Mathematics 3 hrs

Semester IV (12 hrs)
- EEC 4943 Student Teaching (Internship II) 12 hrs

5. Internships
Internships comprise a critical part of the Early Childhood Education program. Therefore, it is crucial that the students are aware of the expectations and requirements of internship placements. For detailed information including requirements and application deadlines see the Undergraduate Catalog, College of Education, Office of Clinical Experiences.

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
- 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 prior to 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 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)

9. Total Semester Hours Required 127 hrs
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

10. Recommended Four-Year Sequence of Courses

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<th>Fall</th>
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<tr>
<td>Freshman Year</td>
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<tr>
<td>EDF 2005</td>
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<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
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<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
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<tr>
<td>BSC 100S</td>
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<td>AST 2002</td>
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<td>EME 2040</td>
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<tr>
<td>THE 2000 or FIL 2400</td>
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<tr>
<td>STA 2014C</td>
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<tr>
<td>MUE 2211</td>
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<tr>
<td>See Section 4, Semester III above</td>
<td>See Section 4, Semester IV above</td>
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</table>
UCF Degree Programs

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a College of Business Administration 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
- Required: SPC 1600

B. Cultural and Historical Foundations 9 hrs
- Select MAC 1105 College Algebra
- Select STA 2023 Principles of Statistics

C. Mathematical Foundations 3 hrs
- Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics

D. Social Foundations 3 hrs
- Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
- Select STA 2023 Principles of Statistics

E. Science Foundations 6 hrs
- Select ECS 4XXX Seminar in Global Economic Policy

2. Common Program Prerequisites (3 hrs)

ECO 2013 Macroeconomics
ECO 2023 Microeconomics

3. Core requirements (15 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** 3 hrs
ECO 4451 Research Methods in Economics 3 hrs

*STA 2023 and MAC 2233 or STA 2023 and any Calc 1 & 2 sequence
substitute for ECO 3401.
** STA 2163 substitutes for ECO 3411.

4. Upper Division Restricted Electives (18 hrs)

Select one of the following tracks:

1. PRE-LAW TRACK (9 hours)

Restrictive electives
- ECO 4XXX Law and Economics
- EDP 4033 History of Economic Thought
- ECP 4403 Industrial Organization and Game Theory

Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major and this track’s restricted elective courses.

2. POLITICAL ECONOMY TRACK (9 hours)

Restrictive electives
- ECO 4504 Public Economics
- ECO 4001 History of Economic Thought
- ECO 4013 Economics of Developing Areas

Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major and this track’s restricted elective courses.

3. PRIVATE ENTERPRISE TRACK (9 hours)

Restrictive electives
- ECO 3223 Money and Banking
- ECP 4001 Industrial Organization and Game Theory

Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major and this track’s restricted elective courses.

4. INTERNATIONAL TRACK (9 hours)

Restrictive electives
- ECO 3703 International Trade
- ECP 4XXX International Macroeconomics

Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major and this track’s restricted elective courses. (ECS 4XXX Seminar in Global Economic Policy is highly recommended).

5. ECONOMICS OF GOVERNMENTAL REGULATION (9 hours)

Restrictive electives
- ECP 4302 Environmental & Natural Resource Economics

ECO 4504 Public Economics
ECP 3203 Labor Economics

Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major and this track’s restricted elective courses.

6. GENERAL TRACK

Select any SIX 3000-4000 level ECO, ECS or ECP (including ECO 4911) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school, the following electives are strongly recommended:
- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization & Game Theory

Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with your academic advisor on the appropriate minors to be paired with the different tracks.

5. Required Minor (18 hrs min)

Completion of a minor in one of the following suggested areas:
- Digital Media, Computer Science, History, Mathematics, Statistics, the Social and Behavioral Sciences, or Technical Writing.

Other minors are acceptable 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 each ECO, ECP, ECS course and in each 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. 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 hours

Related Programs: Economics BSBA
Related Minors: Computer Science, Economics, Mathematics, Political Science, Psychology, Sociology, Statistics

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
ECO 2013 and 2023 are prerequisites for all subsequent economics courses and will need to be taken.

Four Year Plan of Study - B.A. Economics

Freshman

1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1600 3 Art/Music/Lit 3
***Elective 3 ***Elective 3
**CIS 2100CC 3
Must complete 9 hours in a summer semester

Sophomore

1st Term 16 hrs 2nd Term 16 hrs
ECO 2013* 3 ECO 2023* 3
Science 3 Science 3
Psy/Soc/Ant 3 ***Elective 3
**STA 2023* 3
Foreign Language 3 Foreign Language 3
* "C" (2.0) or better grade required in each class

Junior

1st Term 15 hrs 2nd Term 15 hrs
ECO 3401 or MAC 2233 6 ECO 3411 3
ECO 3203 3 ECO 3101 3
Minor** 3 Minor** 3
***Elective 3 ***Elective 3
ECO Elective 3 ECO Elective 3

Senior

1st Term 15 hrs 2nd Term 13 hrs
ECO Elective 3 ECO 4451 3
ECO Elective 3 ECO Elective 3
Minor** 3 Minor** 3
***Elective 3 ***Elective 1

** 18 hours (minimum) of minor required.
*** General electives as required to reach 120 semester hours.

ECONOMICS, BUSINESS (B.S.B.A.)

College of Business Administration

Department of Economics, BA2 101. 407-823-2184

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

R. Pennington; 407-823-3266, robertp@bus.ucf.edu

Admission Requirements - Business Economics

1. Completion of the UCF General Education Program 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 9 hrs
      Required: SPA 1060
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 9 hrs
      Select MAC 1105 College Algebra
      Select MAC 2107CC Computer Fundamentals for Business
   D. Social Foundations 9 hrs
      Select ECO 1013 Principles of Macroeconomics or
      ECO 2023 Principles of Microeconomics
      Select one: PSY 2012, SYG 2000, ANT 2000
   E. Science Foundation 6 hrs

2. Common Program Prerequisites (30 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 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics
   ECO 3401 Quantitative Business Tools I*
      * At UCF, students who have completed MAC 2233 and STA 2023 or STA 2023 and
        any Calc. 1 & 2 sequence substitute for ECO 3401 will be waived from ECO 3401.
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs

3. Common Body of Knowledge (30 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3356 Introduction to International Business 3 hrs
   BUL 3130 Legal & Ethical Environ. of Business 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 4402 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   ISM 3011 Essentials of Information Management Systems 3 hrs
   MAR 3023 Marketing 3 hrs
   Last Semester:
      MAN 4720 Strategic Management 3 hrs
      STA 4163 substitutes for ECO 3411

4. Special College and/or Departmental Requirements
   1. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each program prerequisites class.
   2. Final exams will be given during Exam Week.
   3. Students must have at least a 2.0 GPA in the COB.
   4. 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.
   5. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   6. 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 (9 hrs)
   ECO 3101 Intermediate Microeconomics 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   ECO 4451 Research Methods in Economics 3 hrs

6. Upper Division Restricted Electives (18 hrs)
   (18 hrs)

All economics majors will be required to take six (6) electives by choosing one of the following options:

1. BUSINESS ECONOMICS TRACK
   Restrictive electives (9 hours)
   ECP 3203 Labor Economics
   ECP 4403 Industrial Organization and Game Theory
   ECP 3223 Money and Banking
   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.

2. INTERNATIONAL TRACK
   Restrictive electives (9 hours)
   ECO 3703 International Trade
   ECO 4XXX 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.

3. PRE-LAW TRACK
   Restrictive electives (9 hours)
   ECO 4XXX Law and Economics
   ECP 3203 Labor Economics
   ECP 4403 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. FINANCIAL ECONOMICS TRACK
   Restrictive electives (9 hours)
   ECO 4412 Econometrics
   ECO 3203 Money and Banking
   ECO 4XXX International Macroeconomics
   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.

5. ECONOMICS OF GOVERNMENTAL REGULATION
   Restrictive electives (9 hrs)
   ECP 4XXX Environmental & Natural Resource Economics
   ECO 4502 Public Economics
   ECP 3203 Labor Economics
   Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
6. GENERAL TRACK
Select any SIX 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

It is possible to have a double track; however, only the first designated track will appear on the transcript.

For those students interested in preparing for graduate school, the following electives are strongly recommended:
- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization & Game Theory

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

Community/Junior College Transfer Notes
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Principles of Macroeconomics, Principles of Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Business Quantitative Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Tools I.
- Subject to the general grade and residency 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 better will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or better 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.
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

ECONOMICS (B.A./M.A.A.E. and B.S.B.A./M.A.A.E.)
Accelerated Undergraduate/Graduate Program
Note: For detailed information about these programs, see descriptions in the “Accelerated Undergraduate/Graduate Program” section of this Undergraduate Catalog.

ELECTRICAL ENGINEERING (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Engineering & Computer Science,
Harris Corp Engineering Ctr, Rm 245, 407-823-5765,
Fax: 407-823-5835,
http://www.ee.ucf.edu
Samuel Richie, E-mail: richie@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes; see also the section, Orientation, found elsewhere in this catalog.

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

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
1. Select MAC 2311, MAC 2312
2. Select STA 3023 (PR: MAC 2311)

D. Social Foundations
1. Select STA 2101
2. Select STA 3034, STA 3035
3. Select STA 3054

Four Year Plan of Study - Business Economics

<table>
<thead>
<tr>
<th>Freshman 1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101*</td>
<td>3</td>
<td>ENC 1102*</td>
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<tr>
<td>Cult-Hist I*</td>
<td>3</td>
<td>Cult-Hist II*</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1000</td>
<td>3</td>
<td>Art/Music/Lit</td>
<td>3</td>
</tr>
<tr>
<td>**Elective</td>
<td>3</td>
<td>MAC 1105*</td>
<td>3</td>
</tr>
<tr>
<td>**Elective</td>
<td>3</td>
<td>CGS 2100CC</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Sophomore 1st Term</th>
<th>15 hrs</th>
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<th>15 hrs</th>
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<tbody>
<tr>
<td>ECO 2023*</td>
<td>3</td>
<td>ECO 2013*</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021*</td>
<td>3</td>
<td>ACG 2011*</td>
<td>3</td>
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<tr>
<td>Science</td>
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<td>Science</td>
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</tr>
<tr>
<td>Psychology</td>
<td>3</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>**Elective</td>
<td>3</td>
<td>ECO 3401*</td>
<td>3</td>
</tr>
</tbody>
</table>

**C** (2.0) or better grade required in each class.
2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

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 and normally are awarded grades of I, S, or U.

4. Courses Required for the Major (41 hrs)
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 this catalog for further information.

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. 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)


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 CQLAST, and nine semester hours of Summer credit.

Total Semester Hours Required: 128 hrs

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).
Related Minors: Engineering Leadership & Management, Intelligent Robotic Systems
Transfer Notes:
- 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 with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Electrical Engineering - 128 semester hours required

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
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<tbody>
<tr>
<td>EGN 1006C Intro to the Engineering Profession</td>
<td>1 hr</td>
<td>EGN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis - Statics</td>
<td>3 hrs</td>
<td>EGG 3420 Engineering Analysis</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3306 Semiconductor Devices I</td>
<td>3 hrs</td>
<td>STA 3032 Probability &amp; Statistics for Engineers</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGG 3307 Electrical Networks</td>
<td>3 hrs</td>
<td>PHY 3101 Physics for Engineers &amp; Scientists III</td>
<td>3 hrs</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MAP 2302 Diff Equations</td>
<td>3 hrs</td>
<td>*PHY 2049 Phys for Engr/Sci II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>*CHS 1440 Chem for Engrs</td>
<td>4 hrs</td>
<td>*MAC 2313 Calc with Analytic Geo III</td>
<td>4 hrs</td>
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</tr>
<tr>
<td>*MAC 2311 Calc with Analytic Geo I</td>
<td>4 hrs</td>
<td>*PHG 2048L Phys Eng 1 w/lab</td>
<td>4 hrs</td>
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<table>
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<tr>
<th>SUMMER</th>
<th>11 hrs</th>
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<tr>
<td>EGG 3313 Engr Anal-Dynamics</td>
<td>3 hrs</td>
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<tr>
<td>MAC 2313 Calc with Analytic Geo III</td>
<td>4 hrs</td>
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<tr>
<td>PHY 2049L Phys Lab Engr/Sci III</td>
<td>2 hrs</td>
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<table>
<thead>
<tr>
<th>THIRD YEAR</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>EEE 3306 Semiconductor Devices I</td>
<td>3 hrs</td>
<td>EGG 3307 Electrical Networks</td>
<td>4 hrs</td>
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<tr>
<td>STA 3032 Prob &amp; Stats Engrs</td>
<td>3 hrs</td>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>4 hrs</td>
<td></td>
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<tr>
<td>EGG 4767C Computer System Design I</td>
<td>4 hrs</td>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>EGG 4767C Digital Signal Processing Fund.</td>
<td>3 hrs</td>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>FOURTH YEAR</th>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGG 4767C Computer System Design I</td>
<td>3 hrs</td>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>4 hrs</td>
<td>EGG 3352 Anal &amp; Dig Comm</td>
<td>4 hrs</td>
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</tr>
<tr>
<td>EGG 4914 Senior Design I</td>
<td>3 hrs</td>
<td>EGG 3420 Engineering Anal2</td>
<td>3 hrs</td>
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<tr>
<td>EGG 4915L Senior Design II</td>
<td>3 hrs</td>
<td>EGG 3306 Semiconductor Devices I</td>
<td>3 hrs</td>
<td></td>
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</tbody>
</table>

Notes:
- 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 this catalog for further information.
- Assumes knowledge of a higher level programming language (C preferred).
- EGG 1006C and EGG 1007C are required courses for incoming freshmen only.
ELECTRICAL ENGINEERING - MICROELECTRONICS CONCENTRATION (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 245, 407-823-5765,
Fax: 407-823-5835,
http://www.ee.ucf.edu
Samuel Richie, E-mail: richie@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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.

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

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
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
1. Select MAC 2311 (PR: MAC 1141)
2. Select STA 2032 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 2013 or ECO 2023

E. Science Foundations
1. Select PHY 2048L (PR: MAC 2311)
2. ANT 2011, BSC 1005, GYI 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP's)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

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 2202 Differential Equations (3 hrs)
PHY 2048L Physics for Engineers & Scientists I (4 hrs)
PHY 2049L Physics for Engineers & Scientists II (4 hrs)
ENC 1101 Composition I (4 hrs)
ENC 1102 Composition II (4 hrs)
Humancies Courses (4 hrs)
Social Science Courses (4 hrs)

3. Courses Required for the Engineering Core
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.

4. Courses Required for the Major

5. Approved Microelectronics Technical Electives
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. For those students with a declared interest in microelectronics, a concentration in this area is available by taking three microelectronics technical electives in addition to the required microelectronics courses listed in 3. above.

6. Departmental Graduation Requirements

Graduation: none

8. University Minimum Graduation Requirements

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

Transfer Notes:
- 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 with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.
Electrical Engineering - Microelectronics Concentration 128 semester hrs required

FIRST YEAR
Fall 12 hrs\(^1,3\)  EGN 1006C Intro to Engr 4  
* ENC 1101 English Comp I 3  
* CHS 1440 Chem for Engrs 4  
* MAC 2311 Calc Analytic Geo I 4

Spring 15 hrs\(^1,3\)  ENC 1007C Eng Conc & Meth 1  
* ENC 1102 English Comp II 3  
* SPC 1016 Tech Presentations 3  
* MAC 2312 Analytic Geo II 4  
* PHY 2048L/49L Phys Eng I/IIlab 4

Summer 11 hrs\(^1\)  
* Historical Foundations 1a 3  
* MAC 2313 Calc Analytic Geo III 4  
* PHY 2049 Phys for Engrs/Sci I 3  
* PHY 2049L/49L Phys Lab Engr/Sci II 1

SECOND YEAR
Fall 15 hrs\(^1\)  
* MAP 2302 Diff Equations 3  
* PHY 2101 Phys for Engrs/Sci II 3  
* Science Foundations 2 3  
* Social Foundations 1 3  
EGN 3420 Engineering Anal2 3

Spring 15 hrs\(^1\)  
* Cultural Foundations 3  
EGN 3310 Engr Anal-Statics 3  
EEL 3342C Intro to Dig Circ/Sys 3  
EEL 3801C Intro to Comput Engr 2 3

Summer 6 hrs\(^1\)  
* Historical Foundations 1b 3  
* ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3

THIRD YEAR
Fall 14 hrs  
EEL 3306 Semicond Devices I 3  
STA 3032 Prob & Stats Eng 3  
EEL 4767C Comput Sys Design I 4  
EEL 3123C Networks and Systems 4

Spring 14 hrs  
EEL 3307C Electronics I 4  
EEL 3657 Linear Control Sys 3  
EEL 3552C Analog & Dig. Comm 3  
EGN 3321 Engr Anal-Dynamics 3

or  
EGN 3358 Therm-Fluids-Heat Transfer 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 this 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 4. Approved Technical Electives.

ELECTRICAL ENGINEERING - WIRELESS COMMUNICATION CONCENTRATION (B.S.E.E.)
College of Engineering and Computer Science  
School of Electrical Engineering & Computer Science  
Harris Corp Engineering Ctr, Rm 245; 407-823-5765, Fax: 407-823-5835,  
http://www.ee.ucf.edu  
Samuel Richie, E-mail: richie@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations 9 hrs  
1. ENC 1101 & ENC 1102  
2. Prefer SPC 1016

B. Cultural and Historical Foundations 9 hrs  
1. Select two courses from Historical Foundations  
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2130

C. Mathematical Foundations 7 hrs  
1. Select MAC 2311 (PR: MAC 1141).

D. Social Foundations 6 hrs  
1. Prefer ECO 2013 or ECO 2023.  

E. Science Foundations 7 hrs  
1. Select PHY 2048/48L (PR: MAC 2311)  
2. ANT 2011, 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.

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.

Mac 2311 Calculus with Analytic Geometry I GEP  
MAC 2312 Calculus with Analytic Geometry II GEP  
MAC 2313 Calculus with Analytic Geometry III GEP

MAP 2302 Differential Equations 3 hrs

PH 2048/48L Physics for Engineers & Scientists I GEP  
PH 2049/49L Physics for Engineers & Scientists II GEP

ENC 1101 Composition I GEP  
ENC 1102 Composition II GEP

EGN 3310 Engr Anal-Statics 3 hrs

EGN 3321 Engr Anal-Dynamics 3 hrs

EGN 3358 Therm-Fluids-Heat Transfer 3 hrs

EGN 3366 Engr Exp Design 3 hrs

EGN 3371 Engr Cos Dev 3 hrs

EGN 3420 Engineering Anal2 3 hrs

EGN 4767C Computer System Design I 4 hrs

EEL 3004 Electrical Networks 3 hrs

EEL 3123C Networks and Systems 4 hrs

EEL 3306 Semicond Devices I 3 hrs

EEL 3307C Electronics I 4 hrs

EEL 3342C Intro to Digital Circuits & Systems 3 hrs

EEL 3470 Electromagnetic Fields 3 hrs

EEL 3552C Analog & Digital Communications 4 hrs

EEL 3657 Linear Control Systems 3 hrs

EEL 3801C Intro to Computer Engineering 3 hrs

EEL 4001C Electrical Networks 3 hrs

EEL 4309C Electronics II 4 hrs

EEL 4750 Digital Signal Processing Fund. 3 hrs

EEL 4767C Computer System Design I 4 hrs

3. Courses Required for the Engineering Core (41 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 liberal arts/core foundations courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr

EGN 1007C Engineering Concepts & Methods 1 hr

EGN 2310 Engineering Analysis - Statics 3 hrs

EGN 3321 Engineering Analysis - Dynamics or EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

EGN 3420 Engineering Analysis 3 hrs

STA 3032 Probability & Statistics for Engineers GEP  
PHY 3101 Physics for Engineers & Scientists I GEP

E. Social Science Courses GEP  
Humanities or Social Sciences GEP

4. Courses Required for the Major (41 hrs)
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. For those stu-
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dents with a declared interest in wireless communication, a concentra-
tion in this area if available by taking the wireless technical elec-
tives in addition to the required communication courses listed in 3. above.
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 proficien-
cy 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 res-
   idency at UCF.
   ■ 25% of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP.
   Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the
   CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required: 128 hrs

Related Programs: Computer Engineering, Computer Science,
Electrical Engineering Technology (Electrical Systems
Concentration).
Related Minors: Engineering Leadership & Management, Intelligent
Robotic Systems
Transfer Notes:
■ 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 with
   his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those stu-
dents who plan on completing their degree in four years. All engi-
neering students should meet with their faculty advisor to develop
and maintain an appropriate plan of study.

Electrical Engineering - Wireless Communication Concentration

FIRST YEAR
Fall 12 hrs 1,3
EGN 1006C Intro to Engr 1
*ENC 1101 English Comp I 3
*CHS 1440 Chem for Engrs 4
*MAC 2311 Calc Analytic Geo I 4
*PHY 2049L Phys Eng I w/lab 4
   Summer 11 hrs 1
*Historical Foundations 1a 3
*MAC 2313 Calc Analytic Geo II 4
*PHY 2049L Phys Lab Engr I 3

SECOND YEAR
Fall 15 hrs 1
*MAP 2302 Diff Equations 3
*PHY 3101 Phys Engr/Sci III 3
*Science Foundations 2 3
*Social Foundations 1 3
*MAC 3420 Engineering Anal 3
   Summer 6 hrs 1
*Cult & Historical Foundations 1b 3
*ECO 2023 Microeconomics or 3

THIRD YEAR
Fall 14 hrs
EEL 3306 Semicond Devices I 3
STA 3032 Prob & Stats for Engr 3
EEL 4767C Cmptr Sys Design I 4
EEL 3123C Networks and Systems 4

ELECTRICAL ENGINEERING TECHNOLOGY

ELECTRICAL ENGINEERING TECHNOLOGY -
COMPUTER SYSTEMS CONCENTRATION (B.S.E.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department, ENGR 207
http://www.entr.ucf.edu
Coordinator: Alireza Rahrooh
407-823-4749 Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
http://www.entr.ucf.edu

Admission Requirements none

Degree Requirements
■ Students should check with their ENT advisor frequently to
   insure that they are making proper progress toward the degree.
■ A grade of "C" (2.0) or better is required in all prerequisites and
   upper level courses.

1. UCF General Education Program (36+2 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Prefer MAC 1104
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 1105
      2. Select STA 2013
      3. Social Foundations
      6 hrs
   D. Science Foundations
      1. Select PHY 2053C
      2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C,

2. Common Program Prerequisites (CPP) (6/8 hrs)
   (C or better grades are required in all courses)
   MAC 2523 Calculus I 3/4 hrs
   or MAC 2511
   MAC 2524 Calculus II or equiv 3/4 hrs
   or MAC 2512
   PHY 2053C or PHY 2048L

3. Engineering Technology Core Requirements (C or better grades are required in all courses) (25 hrs)
   BSC 1005/L, BSC 1050/L, or GEO 1200/L
   ENC 3241 Writing for the Technical Professional 3 hrs
   MAC 1105 College Algebra 3 hrs
   MAC 1114 College Trigonometry 3 hrs
   MAC 2253 Calculus I or 3 hrs
   MAC 2311
   MAP 3401 Problem Analysis or
MAC 2312  Calculus II  CPP
PHY 2053C  College Physics I  CPP
PHY 2054C  College Physics II  4 hrs
ETG 3541  Applied Mechanics  3 hrs
ETI 3651C  Computer Applications  3 hrs
ETI 3671  Technical Economic Analysis  3 hrs
ETI 3116  Applied Engg Quality Assurance  3 hrs
ETI 4448  Applied Project Management  3 hrs
STA 2023  Statistical Methods I  GEP

4. Technical Specialization (56 hrs)
Lower Level Required and Elective Courses (20 hrs)
(C or better grades are required in all courses)

EST 3543C  Programmable Logic Controllers  3 hrs
CET 3323C  Digital Technology  4 hrs
CET 2364A  System Applications in C  3 hrs
EET 3085C  Electricity and Electronics  4 hrs
EET 21025C  Electrical Circuits  4 hrs
STA 2023  Statistical Methods I  GEP

Lower level technical elective  32 hrs

Upper Level Required Courses (30 hrs)
(C or better grades are required in all courses)

CET 3198C  Digital Systems  3 hrs
CET 3503  Microcomputer Technology I  3 hrs
CET 3383  Applied Systems Analysis I  3 hrs
CET 4333  Computer Organization & Design  3 hrs
CET 4427  Applied Database I  3 hrs
CET 4505  Applied Operating Systems I  3 hrs
EET 3716  Network Analysis  3 hrs
CET 4138C  Digital Programmable Devices  3 hrs
CET 4134C  Microprocessor Elec II  3 hrs
CET 4429  Applied Database II  3 hrs

Upper Level Technical Electives (6 hrs)
(C or better grades are required in all courses)
See faculty advisor for list of approved Technical Electives.

5. Departmental Exit Requirement (3 hrs)
(C 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 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 hours

Related Programs: Electrical Engineering Technology (Electrical Systems Concentration)
Related Minors: none
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 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 this 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.

Tentative Course Schedule for the Computer Systems Concentration
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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 13/14 hrs  Spring 12/13 hrs
MAC 2253/2311 Calculus I 3/4  MAP 3401 Prob Analysis or
EET 3716 Network Analysis 3  MAC 2312 Calculus II 3/4
ETI 3116 App Eng Quality Assur 3  CET 3383 Appl Sys Anal I 3
CET 4427 Applied Database I 3  CET 3198C Digital Systems 3

Summer 10 hrs
CET 4134C Micro Electronics II 3  CET 4333 Computer Org 3
CET 4138C Digital Prgnls Devices 4

Senior Year
Fall 15 hrs  Spring 14 hrs
ETI 4448 Appl Proj Management 3  ETG 4950C Senior Design Proj 3
CET 3503 Microcomputer Tech I 3  CET 4427 Applied Database II 3
CET 4505 Appl Oper Sys I 3  CET 3671 Tech Econ Anal 2
ETI 3651C Computer Appl 3  ETG 3541 Appl Mechanics 3
CET Elective 3  CET Elective 3

ELECTRICAL ENGINEERING TECHNOLOGY - ELECTRICAL SYSTEMS CONCENTRATION (B.S.E.E.T.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207
http://www.ent.ucf.edu
Coordinator: Ali reza Rahrooh
407-823-4749 Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
http://www.ent.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 1016
B. Cultural and Historical Foundations 9 hrs
  1. Select MAC 1105
  2. Select STA 2023
C. Mathematical Foundations 6 hrs
  1. Select MAC 1105
  2. Select STA 2023
D. Social Foundations 6 hrs
  1. Select PHY 2053C
  2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C
E. Science Foundations 8 hrs
  1. Select PHY 2053C
  2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C

2. Common Program Prerequisites (CPP) (6/8 hrs)
(C or better grades are required in all courses)
MAC 2253 or Calculus I 3/4 hrs
3. Engineering Technology Core Requirements (25 hrs)
(C or better grades are required in all courses)
BSC 1005L, BSC 1050L, GEO 1200L, ESC 2010C
PHY 2053C or
PHY 2048/L

4. Technical Specialization
(C or better grades are required in all courses)
Elective Courses (Upper Level) 22 hrs

5. Departmental Exit Requirement
(C or better grades are 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 (0-4 hrs)
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
■ All 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 hours

Related Programs: Electrical Engineering Technology (Computer Systems Concentration).
Related Minors: none

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 this 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.

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 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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 12/14 hrs Spring 15/16 hrs
MAC 2253 Applied Calc I 3 hrs or 3/4 MAP 3401 Problem Analysis or 3/4
MAC 2311 Calc w/Anal Geom I
PHY 2054C/2049 Physics II 4 hrs
ETG 3541 Applied Mechanics 3 hrs
CET 3198C Digital Systems 3 hrs
CET 3503 Microcom Tech I 3 hrs
EET 3143C Electronic Devices and Circuits 4 hrs
EET 3222 Intro to Photonics 3 hrs

Summer 6 hrs
ETG 4950C Sr. Design Proj 3 hrs
ETI 4448 Applied Project Management 3 hrs

Senior Year
Fall 12 hrs Spring 13 hrs
EET 4548 Power Systems 3 hrs
ETI 4974 Senior Design Project 3 hrs
EET 4339C Antennas and Propagation 3 hrs
CET 4134C Microprocessor Elec II 3 hrs
EET 4393C Communication Systems 4 hrs
CET 3323C Digital Programmable Devices 3 hrs
EET 4395C Digital Communications 4 hrs
EET 4399C Microprocessor Elec II 3 hrs
ETG 4950C Sr. Design Proj 3 hrs

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)
AS to BSEET TRACK
Note: For detailed information about this program, see the AS to BS Program section.

ELECTRICAL ENGINEERING TECHNOLOGY - PHOTONICS CONCENTRATION (B.S.E.E.T.)
College of Engineering and Computer Science Engineering Technology (ENT) Department, ENGR 207
http://www.ent.ucf.edu
Coordinator: Al Ducharme
407-823-0770 Fax: 407-823-4746
E-mail: ducharme@mail.ucf.edu
5. Departmental Exit Requirement (3 hrs)  

Check with ENT faculty advisor for approved electives.

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 (0-4 hrs)  

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: none

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 this 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.

Tentative Course Schedule for the Photonics Concentration  

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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

## Junior Year

### Fall  

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>MAC 2253</td>
<td>Applied Calc I or MAC 2312 Calculus II</td>
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<td>PHY 2048/L</td>
<td>Calculus II or equiv</td>
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### Spring  

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<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
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<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
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<tr>
<td>ETG 3541</td>
<td>Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>EET 4158C/4548C</td>
<td>Linear Int Cir or Power Systems</td>
<td>4</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Project Management</td>
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<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus II</td>
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</tr>
<tr>
<td>MAC 3241</td>
<td>Writing for the Technical Professional</td>
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<td>MAC 1105</td>
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### Upper Level Required Courses  

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<td>Linear Integrated Circuits</td>
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<td>EST 4548C</td>
<td>Power Systems</td>
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<td>EST 4222</td>
<td>Intro to Photonics</td>
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<tr>
<td>EST 3213</td>
<td>Photonic Simulation</td>
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<td>EST 3211</td>
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<tr>
<td>EST 4236</td>
<td>Laser Systems Technology</td>
<td>3</td>
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<tr>
<td>EST 4247</td>
<td>Photonic Sensors and Devices</td>
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<tr>
<td>EST 4559C</td>
<td>Manufacturing of Photonics</td>
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## Senior Year

### Fall  

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<td>EET 4158C</td>
<td>Linear Int Cir</td>
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<tr>
<td>ETI 3116</td>
<td>Applied Engnrng Quality Assurance</td>
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<td>EST 4213</td>
<td>Photonics Simulation</td>
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### Spring  

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<tr>
<td>EET 4158C</td>
<td>Linear Int Cir</td>
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<td>ETI 3116</td>
<td>Applied Engnrng Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>EST 4213</td>
<td>Photonics Simulation</td>
<td>3</td>
</tr>
<tr>
<td>EST 4227</td>
<td>Photonics Sensor</td>
<td>3</td>
</tr>
</tbody>
</table>

Related Minors: none  

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 this 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.

Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
3. Recommended Sequence of Program Courses  
NOTE: This recommended sequence may vary at selected regional campus locations.

Semester I 15 hrs  
EDG 4323 Professional Teaching Practices 3 hrs  
EDF 4214 Classroom Learning Principles 3 hrs  
LAE 3414 Children's Literature 3 hrs  
RED 3012 Foundations of Reading 3 hrs  
(Total prior to Internship I)  

Semester II (Internship Block) 12 hrs  
RED 4519 Diagnostic & Corrective Reading Strategies 3 hrs  
MAE 4326 How Children Learn Math 3 hrs  
EEX 4003 Teaching/Management Tech Ed Student in the Regular Setting 3 hrs  
EDE 3942 Internship I 3 hrs  

Semester III 15 hrs  
SCE 3310 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 Elementary School 3 hrs  
ARE 4313 Teaching Art in the Elementary School 3 hrs  
TSL 4141 Issues in Second Language Acquisition 3 hrs  

Semester IV 12 hrs  
EDE 4943 Internship II 12 hrs  

All methods/specialization/foundations courses (*) must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II.  

See additional requirements listed under College of Education, Office of Clinical Experiences  

Satisfaction 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-6.065  

4. 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.)  

5. 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  

More information can be found on the UCF Degree Programs website at http://reach.ucf.edu/~elemed1
UCF Degree Programs

Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

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
   - 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)

7. Total Semester Hours Required 128 hours
   At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

8. Recommended Four-Year Sequence of Courses

   Freshman Year
   - Fall (12 hrs): EDF 2005 3 hrs, ENC 1101 3 hrs, MAC 2311 3 hrs, PHY 2010 3 hrs
   - Spring (16 hrs): ENGR 1121 3 hrs, PSC 1121L 1 hr, PSC 1121 3 hrs

   Summer (6 hrs)
   - AST 2002 3 hrs, POS 2041 3 hrs

   Sophomore Year
   - Fall (15 hrs): AMH 2010 3 hrs, BSC 1005 3 hrs, EME 2040 3 hrs, SPC 1600 3 hrs, ARH 2050 3 hrs, MUL 2010 3 hrs
   - Spring (16 hrs): AMH 2020 3 hrs, BSC 1105 4 hrs, STA 2014C 3 hrs, arts & Sciences elective 3 hrs, Arts & Sciences elective 3 hrs

   Junior Year
   - Fall (15 hrs): See Section 3, Semester I above
   - Spring (12 hrs): See Section 3, Semester II, above

   Summer (9 hrs)
   - See Section 3, Summer

   Senior Year
   - Fall (15 hrs): See Section 3, Semester III above
   - Spring (12 hrs): See Section 3, Semester IV above

   ENGINEERING TECHNOLOGY - DESIGN CONCENTRATION (B.S.E.T.)

   College of Engineering and Computer Science

   Engineering Technology (ENT) Department, ENGR 207
   http://www.ent.ucf.edu
   Coordinator: Lucy Morse 407-823-4742, Fax: 407-823-4746

   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 1016
      B. Cultural and Historical Foundations (9 hrs)
         1. Select MAC 1105
         2. Select STA 2023
      C. Mathematical Foundations (6 hrs)

   2. Common Program Prerequisites (CPP) (6/8 hrs)
      (C or better grades are required in all courses)
      MAC 2253 or MAC 2311 Calculus I 3/4 hrs
      MAC 2254 or MAC 2312 Calculus II or equiv 3/4 hrs
      PHY 2053C or PHY 2048L Physics I/II Lab GEP

   3. Engineering Technology Core Requirements (21 hrs)
      (C or better grades are required in all courses except lower level technical electives)
      ANT 2511, BSC 1005, BSC 1050, GEO 1200, GEO 2370 or GLY 1030, GE 1310
      ENC 2241 Writing for the Technical Professional 3 hrs
      MAC 2115 College Algebra GEP
      MAC 2114 College Trigonometry 3 hrs
      MAC 2253 or MAC 2311 Calculus I CPP

   4. Technical Specialization (60 hrs)
      (C or better grades are required in all courses except lower level technical electives)

   Lower Level Required and Elective Courses (28 hrs)
      EST 3543C Programmable Logic Controllers 3 hrs
      CHM 1032, 1032L General Chemistry, Lab 4 hrs
      CET 2364 Systems Application in C 3 hrs
      EET 3085C Electricity and Electronics 4 hrs
      EGN 1111C Engr Computer Graphics 2 hrs
      STA 2023 Statistical Methods I GEP 11 hrs
      Approved Lower Level Technical Electives

   Upper Level Required Courses (21 hrs)
      EST 4502C Metrology & Instrumentation 4 hrs
      ETG 3303C Applied CADD 3 hrs
      ETG 3533C Applied Engnrng Strength of Materials 4 hrs
      ETI 3421 Materials & Processes 3 hrs
      ETM 4220 Applied Energy Systems 4 hrs
      ETI 4448 Applied Project Management 3 hrs

   Upper Level Technical Elective (Select 4) (12 hrs)
      ETC 4206 Construction Estimating 3 hrs
      ETC 4241C Construction Materials & Methods 3 hrs
      ETC 4242 Construction Contracts & Spec 3 hrs
      ETC 4243 Building Systems 3 hrs
      ETC 4414C Applied Structural Design I 3 hrs
      ETC 4415C Applied Structural Design II 3 hrs
      ETM 4331C Applied Fluid Mechanics 4 hrs
      ETC 4512C Applied Design of Machine Elements 3 hrs
      ETC 4513C Applied Computer Numerical Controls 3 hrs
      ETC 4523C Applied Heat Transfer 4 hrs
      ETC 4755 Applied Air Conditioning 4 hrs

   5. Departmental Graduation Requirement (3 hrs)
      (C or better grades are required in all courses)
      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
UCF Degree Programs

- 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 hours

Related Programs: Engineering Technology (Operations Concentration).

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 this 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 and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Tentative Schedule for the Design Concentration

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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year

Fall 13/14 hrs
MAC 2233/2311 Calculus I 3/4 MAP 3401 Problem Analysis 3
ETI 3561C Computer Appl 3
ETI 3116 App Eng Qual Assur 3
PHY 2063C/2048 Physics I 4
ETI 4635C Tech Admin 3

Spring 13 hrs
ETI 4448 Applied Proj Mgmt 3

Summer 10 hrs
ETG/ETI Elective 3
ETI 4331C Appl Fluid Mech 4

Senior Year

Fall 15 hrs
ETI 3421 Materials & Processes 3
EST 3543C Prog Log Controllers 3
ETI 3421C App Mechanics 3
ETG 4241C Contract & Spec 3
ENC 3241 Tech Report Wrt 3

Spring 17 hrs
ETI 4640 Operations Management 3
ETG 4950C Sr Design Proj 3
ETI 3401C Appl Mechanics 3
ETI 4205 Applied Logistics 3
ENC 3241 Tech Econ Anal 3

Upper Level Required Courses (17 hrs)
ETI 3421 Materials & Processes 3
EST 3543C Prog Log Controllers 3
ETI 3421C App Mechanics 3
ETG 4241C Contract & Spec 3
ENC 3241 Tech Report Wrt 3

Upper Level Technical Elective (Select 5) (17 hrs)
ETI 3671 Technical Economic Analysis 3
ETI 4635 Technology Administration 3
ETI 4640 Operations Management 3
ETD 3350C Applied CADD 3
ETG 4950C Sr Design Project 3
ETI 4448 Applied Project Management 3

Upper Level Required Courses (18 hrs)
ETI 3651C Computer Applications 3
ETI 3711 Applied Mechanical Design 3
ETI 3671 Technical Economic Analysis 3
ETI 3116 Applied Engineering Quality Assurance 3
ETI 3651C Technology Administration 3

Required Courses:
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)
- Communication Foundations 9 hrs
- ENC 1101 & ENC 1102
- 2. Prefer SPC 1016

2. Admission Requirements (9 hrs)
- Cultural and Historical Foundations 4 hrs
- ENC 1105
- 2. select STA 2023

5. Departmental Graduation Requirement (3 hrs)
- ETG 4950C Senior Design Project 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

ENGINEERING TECHNOLOGY - OPERATIONS CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department, ENGR 207
http://www.ent.ucf.edu
Coordinate: Lucy Morse
407-823-4742, Fax: 407-823-4746

Admission Requirements: none

Degree Requirements:
- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.

5. Related Minors: none

3. Engineering Technology Core Requirements (21 hrs)
- ANT 2511, BSC 1005, BSC 1050, GEO 1200, GEO 2370, or GYM 1030

6. Foreign Language Requirements (0-8 hrs)
- Two years of one foreign language in high school, or

7. 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 this 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 and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

4. Technical Specialization (60 hrs)
- (C or better grades are required in all courses except the lower level technical electives)

5. 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)
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. 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, 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 hours

Related Programs: Engineering Technology (Operations Concentration).
Related Minors: none

Transfer Notes:
   A. 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.
   B. 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 this catalog.)
   C. Courses taken from Community Colleges do not substitute for Upper Division Courses.
   D. Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
   E. 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.

Tentative Course Schedule for the Operations Concentration

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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
   Fall   13/14 hrs  Spring    13 hrs
   MAC 2253/2311 Calculus I   3/4  MAP 3401 Problem Analysis 3
   PHY 2053C/2048 Physics I   4  ETG 3541 Mechanics 3
   ETI 3651C Comp Appl         3  ETM 4220 Energy Systems 4
   ETI 4640 Operations Mgmt    3  ETI 4635 Tech Admin 3

   Summer      10 hrs
   ETI 4700 Occup Safety       3
   ETM 4331C Appl Fluid Mech   4
   ETI 4448 Applied Proj Mgmt  3

Senior Year
   Fall     15 hrs  Spring     13 hrs
   ETI 3421 Matrls & Process   3  ENC 3241 Tech Report Writ 3
   ETI 4205 App Logistics      3  ETG 4590 Sr Design Proj 3
   ETD 3550C Appl CAD          3  ETI Elective 3
   ETI 3116 Appl Engr Dual Assur 3  ETG 3533C Eng Strength Mat'l 4
   ETI 3671 Tech Econ Anal     3

Upper Level Technical Electives (Select 4) (12 hrs)
   ETI 4837C Technology of Small Space Payloads 3
   ETI 4382C Launch Processing Technology 3
   ETI 4839 Space Elect-Optics Technology 3
   ETI 4150 Spacecraft QA and Testing 3
   ETI 4381 Ground System Design 3
   EST 3222 Intro to Photonics 3

UCF Degree Programs

ENGINEERING TECHNOLOGY - SPACE SYSTEMS CONCENTRATION (B.S.E.T.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
Florida Space Institute
Kennedy Space Center, FL32899
http://www.ent.ucf.edu
Coordinator: Dr. Nebil Miscioni 407-823-4751 or 321-459-0199

Admission Requirements: none

Degree Requirements:
   A. Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
   B. A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCFA General Education Program (36+2 hrs)
   A. Communication Foundations 9 hrs
      1. ENC 1101, ENC 1102
      2. Prefer SPC 1016
   B. Cultural and Historical Foundations 9 hrs
      1. Select MAC 1105
      2. select STA 2023
   C. Mathematical Foundations 6 hrs
      1. Select MAC 2253 or PHY 2053C
      2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310
   D. Social Foundations 6 hrs
      1. Select PHY 2053C or PHY 2048
      2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310
   E. Science Foundations 8 hrs
      1. Select PHY 2053C or PHY 2048
      2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP) (6/8 hrs)
   (C or better grades are required in all courses)
   MAC 2253 or 2311 Calculus I 3/4 hrs
   MAC 2254 or 2312 Calc II 3/4 hrs
   PHY 2053C or 2048L Physics I/Lab GEP
   PHY 2054 or 2049L Calculus II

3. Engineering Technology Core Requirements (24 hrs)
   AST 2002 Astronomy 3 hrs
   ENC 3241 Writing for the Technical Professional 3 hrs
   MAC 1105 College Algebra GEP
   MAC 1114 College Trigonometry 3 hrs
   MAC 2253 Calculus I or CPP
   MAC 2311 Calc II
   MAP 3401 Problem Analysis 3 hrs
   MAC 2312 Calculus II
   PHY 2053C College Physics I CPP
   ETG 3541 Applied Mechanics 3 hrs
   ETI 3651C Computer Applications 3 hrs
   ETI 3671 Applied Engineering Economics 3 hrs
   ETI 3116 Applied Engineering Quality Assurance 3 hrs
   ETI 4448 Project Management 3 hrs

4. Technical Specialization (57 hrs)
   (C or better grades are required in all courses except lower level technical electives)
   Lower Level Required and Elective Courses (24 hrs)
   EST 3543C Prog Logic Controllers 3 hrs
   OHM 102, 1032L General Chemistry with Lab 4 hrs
   CET 2364 Systems Appl. in C 3 hrs
   EET 3085C Electricity and Electronics 4 hrs
   EGN 1111C Engr Computer Graphics 2 hrs
   STA 2023 Statistical Methods I GEP
   Approved Lower Level Technical Electives 8 hrs

   Upper Level Required and Elective Courses (21 hrs)
   EST 4502C Metrology & Instrumentation 4 hrs
   ETD 3550C Applied CADD 3 hrs
   ETG 3533C Applied Engineering Strength of Materials 4 hrs
   ERM 4220 Applied Energy Systems 4 hrs
   ETI 4835C Rocket Propulsion Technology 3 hrs
   ETI 4836 Space Systems Technology 3 hrs

   Upper Level Technical Electives (Select 4) (12 hrs)
   ETI 4837C Technology of Small Space Payloads 3 hrs
   ETI 4382C Launch Processing Technology 3 hrs
   ETI 4839 Space Elect-Optics Technology 3 hrs
   ETI 4150 Spacecraft QA and Testing 3 hrs
   ETI 4381 Ground System Design 3 hrs
   EST 3222 Intro to Photonics 3 hrs
UCF Degree Programs

5. Departmental Graduation Requirement
   (C or better grades are required in all courses)
   ETG 4950C Senior Design Project 3 hrs
   A grade of 2.0 or better is required for all prerequisites.

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 proficien-
   cy 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 resi-
    idency 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 hours

Related Programs: Engineering Technology (Operations Concentration)
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an
  AA degree or with the general education program (GEP) require-
  ments 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 insti-
  tution have thereby satisfied UCF GEP requirements. (See also
  the section on the GEP found elsewhere in this 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
  EN 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 and 2049/L substitute for PHY 2053C and PHY
  2054C respectively.

Tentative Course Schedule for the Space Systems Concentration

The tentative course schedule listed below is a guide for those stu-
ents who plan on completing their upper division engineering tech-
nology degree requirements in two years. Many students choose to
spread out these requirements over a longer period of time. All engi-
nering students should meet with their faculty advisor to develop
and maintain an appropriate plan of study.

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<th>Junior Year</th>
<th>15/16 hrs</th>
<th>14 hrs</th>
<th>8 hrs</th>
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<tr>
<td>Fall</td>
<td>MAC 2233/2231 Calculus I</td>
<td>34 hrs</td>
<td>ETI 3352G 3</td>
<td>ETI 4835 Elect &amp; Electronics 4</td>
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<td>ETI 3205G Technol. Math 2</td>
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<td>EET 4835 Rocket Prop Tech 3</td>
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<td>Spring</td>
<td>ENC 3241 Tech Report Writing 3</td>
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<td>ETI Elective 3</td>
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<td>Summer</td>
<td>ENC 3241 Tech Report Writing 3</td>
<td></td>
<td>ENC 3241 Theory &amp; Tech of Literature 3</td>
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ENGLISH - CREATIVE WRITING (B.A.)
College of Arts and Humanities
English Department, CNH 301,
http://english.ucf.edu
E-mail: english@ucf.edu
T. Krise, 407-823-2212

Admission Requirements
Degree Requirements
- Students who change degree programs and select this major
  must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in 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

Admission Requirements
Degree Requirements
- Students who change degree programs and select this major
  must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in the major without
  prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15
  semester hours of regularly scheduled 3000-4000 level courses
  taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2
  (Common Program Prerequisites) are usually completed in the
  first 60 hours

Honors in English Degree: Additional Requirements
Application and admission through the English Honors Committee
and the Honors College
Fulfill University requirements for Honors in the Major
Grade of ÔBÔ (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
   A. Communication Foundations
   - Select ENC 1101 and ENC 1102 6 hrs
   - Prefer SPC 1600 Fund of Oral Com 3 hrs
   B. Cultural and Historical Foundations
   - Select one class from 1.B.1 list 3 hrs
   - Prefer LIT 2101 World Literature I 3 hrs
   - Prefer LIT 2102 World Literature II 3 hrs
   C. Mathematical Foundations
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - (may substitute a higher level math)
   - Prefer STA 1060C Statistics Using Excel 3 hrs
   D. Social Foundations
   - 6 hrs
   E. Science Foundations
   - 6 hrs

2. Common Program Prerequisites
   ENC 1101 Composition I GEP
   ENC 1102 *Composition II GEP
   *See Transfer Notes for possible substitutes

3. Core Requirements
   (6 hrs)
   CRW 3013 Creative Writing for English Majors
   ENC 4001 Theory & Tech of Literary Study

4. Literary History Requirement
   (12 hrs)
   Choose four courses from these two groupings
   a. Select at least one of these pre-1865 literature courses.
   - AML 3031 American Literature I
   - AML 3613 Narratives of Slavery
   - AML 4304 Whitman & Heirs
   - ENL 2012 English Literature I
   - ENL 4220 English Renaissance Poetry and Prose
   - ENL 4230 Eighteenth Century Studies
ENL 4240 English Romantic Writers
ENL 4311 Chaucer
ENL 4333 Shakespeare
ENL 4341 Milton and His Age
LIT 4374 Literature of the Bible

b. Select at least one of these post 1865 literature courses:
   AML 3041 American Literature II
   AML 3283 Contemp American Women’s Fiction
   AML 3614 Topics in African American Literature
   AML 3615 Harlem, Haiti, and Havana
   AML 3640 Native American Literature
   AML 410 American Novel
   AML 4153 American Poetry at Mid-Century
   AML 4195 Modern American Poetry
   AML 4261 Literature of the South
   AML 4265 Florida Writers
   AML 4321 Modern American Literature
   AML 4630 Latino/Latina Literature
   ENL 2022 English Literature II
   ENL 4101 English Novel
   ENL 4243 The Victorian Age: Poetry
   ENL 4262 Nineteenth Century British Prose
   ENL 4273 Modern British Literature
   LIT 3082 Continental European Fiction Since 1900
   LIT 3192 Caribbean Literature
   LIT 4043 Modern Drama as Literature
   LIT 4184 Irish Literature
   LIT 4303 Post-World War II Fiction

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives (18 hrs)
   a. Choose one of the following:
      LIN 3010 Intro to Linguistics
      LIN 4100 History of the English Language
      LIN 4645 Cross Cultural Communication
      LIN 4660 Linguistics and Literature
      LIN 4680 Modern English Grammar
      ENC 3211 Theory and Practice of Tech Writing
      ENC 3241 Writing for the Technical Professional
      ENC 3310 Magazine Writing I
      ENC 3311 Advanced Expository Writing
      ENG 3010 Practical Criticism
      LIT 4524 Advanced Feminist Theory
   b. Choose two of the following:
      CRW 3120 Fiction Writing Workshop
      CRW 3211 Creative Nonfiction Writing
      CRW 3310 Poetry Writing Workshop
   c. Choose two of the following:
      CRW 4122* req# 5c-ResEl
      CRW 4224 Adven Creative Nonfiction Writing
      CRW 4320 Adv Poetry Writing Workshop
   d. Choose one of the following:
      CRW 3311 Structure of Verse
      CRW 3610 Writing Scripts
      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. A 2.0 UCF GPA
   b. 60 semester hours earned after CLEP awarded
   c. 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 hours

Related Programs: Technical Writing, Literature
Related Minors: Linguistics, Technical Writing, 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 have 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.

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
LIT 1120 World Literature I 3
ENG 1101 Composition II 3
ENL 2012* req# 4a
ENL 2022* req# 4b
Fall
SPN 1120* req# Lang/Elect 4
ENG 1102 Composition II 3
ENL 2012* req# 4a

Sophomore Year
Fall
LIT 2120 World Lit II 3
AUL 3041 req# 4a
ENG 1102 Composition II 3
ENL 2012* req# 4a
Fall
ENG 1102 Composition II 3
ENL 2012* req# 4a

Junior Year
Fall
ENG 2210 History of the English Language 3
ENG 2022* req# 4b
ENG 2012* req# 4a
Fall
ENG 2210 History of the English Language 3
ENG 2022* req# 4b

Senior Year
Fall
ENG 2210 History of the English Language 3
ENG 2022* req# 4b

Total Semester Hours Required: 120 hours

ENGLISH LANGUAGE ARTS EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles
ED 209; http://pegasus.cc.ucf.edu/~englae
Program Coordinator: Dr. Denise Ousley
ED 122-L, 407-823-1142
E-mail: dousley@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 prerequisite courses
UF Degree Requirements:

- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

   A. Communication Foundations
      - ENC 1101 Composition I 3 hrs
      - ENC 1102 Composition II 3 hrs
      - Select SPC 1600 Fundamentals of Oral Communication 3 hrs
   
   B. Cultural-Historical Foundations
      - Select AMH 2010 U.S. History 1492-1877 3 hrs
      - Select AMH 2020 U.S. History 1877-Present 3 hrs
      - Select PHI 2010 Introduction to Philosophy 3 hrs
   
   C. Mathematical Foundations
      - Select one:
        - MGF 1106 Finite Mathematics 3 hrs
        - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

   D. Social Foundations
      - Select one of the following (per GEP):
        - MAC 1105 College Algebra 3 hrs
        - MGF 1106 Finite Mathematics GEP
        - One of the following (per GEP):
          - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   
   E. Science Foundations
      - Select one:
        - PH 2010 Introduction to Philosophy 3 hrs
        - ARH 2505 History of Western Art I or ARH 2506 History of Western Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures 3 hrs

2. Common Program Prerequisites (25 hrs)

   A. Communications
      - ENC 1101 Composition I GEP
      - ENC 1102 Composition II GEP
      - SPC 1600 Fundamentals of Oral Communication GEP
   
   B. Humanities
      - PHI 2010 Introduction to Philosophy 3 hrs
      - Select one:
        - ARH 2505 History of Western Art I or ARH 2506 History of Western Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures 3 hrs
   
   C. Mathematics
      - MAC 1105 College Algebra 3 hrs
      - MGF 1106 Finite Mathematics GEP
      - One of the following (per GEP):
        - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   
   D. Social Science/History
      - Select one of the following:
        - AMH 2010 U.S. History 1492-1877
        - AMH 2020 U.S. History 1877-Present
        - POS 2041 American National Government
        - PSY 2012 General Psychology
   
   E. Science
      - Select one of the following:
        - PSC 1121 Physical Science 3 hrs
        - One of the following (per GEP):
          - ANT 2511 The Human Species or BSC 1005 Biological Principles

3. Specialization Requirements (24 hrs)

   A. Education Core Requirements (15 hrs)
      - EDG 4323 Professional Teaching Practices 3 hrs
      - EDF 4603 Analysis of Critical Issues in Education 3 hrs
      - EDG 4214 Classroom Learning Principles 3 hrs
      - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

   B. Education Core Requirement
      - LAE 4464 Adolescent Lit 3 hrs
      - LAE 4361 Literacy Strategies for Mid/High Schools 3 hrs
      - LAE 4360 Eng Instructional Analysis 4 hrs
      - LAE 4342 Teaching Lang/Comp 3 hrs

4. Internship I (ESE 3940) (3 hrs)

   - Course prerequisite: EDG 4323 (Minimum grade: “C-“)
   - Additional program prerequisites for Internship I: EDG 4323, EDF 4214, LAE 4464, TSL 4080 (Minimum grade: “C-“ in each of these courses)
   - Corequisites: LAE 4360 and LAE 4342

5. Internship II (ESE 4943) (12 hrs)

   - All methods courses and at least 80% of all specialization courses must be completed before registering for Internship II
   - See additional requirements under College of Education, Office of Clinical Experiences

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

   - 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 all 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
   - 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
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

9. Total Semester Hours Required: 128 hours

   - At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

10. Recommended Four-Year Sequence of Courses

    - Fall (12 hrs)
      - EDG 4004 3 hrs
      - ENL 2012 3 hrs
      - ENL 2022 3 hrs
      - ENL 2110 3 hrs
      - MGF 1106 3 hrs
    - Spring (16 hrs)
      - EDG 4004 3 hrs
      - ENL 2120 3 hrs
      - ENL 2110 3 hrs
      - MGF 1106 3 hrs
PSY 2012 3 hrs  PHI 2010 3 hrs  PSC 1121 3 hrs  PSC 1121L 1 hr
Summer (6 hrs)  EME 2040 3 hrs  POS 2041 3 hrs
Sophomore Year  (15 hrs)  Fall  (15 hrs)  Spring  (15 hrs)
AMH 2010 3 hrs  AMH 2020 3 hrs
BSC 1005 3 hrs  AST 2002 3 hrs
LIT 2110 3 hrs  ENL 2012 3 hrs
SPC 1600 3 hrs  LIN 2120 3 hrs
STA 2014C 3 hrs  ARH 2050 or
MUL 2010 or
THE 2000 or
FIL 2400
Summer (6 hrs)  AML 3031 3 hrs  ENL 2022 3 hrs
Junior Year  (15 hrs)  Fall  (15 hrs)  Spring  (12 hrs)
CRW 3013 3 hrs  AML 3041 3 hrs
TSL 4080 3 hrs  ENC 3311 3 hrs
EDF 4214 3 hrs  LAE 4361 3 hrs
EDG 4320 3 hrs  EDF 4603 3 hrs
LAE 4464 3 hrs
Senior Year  (6 hrs)  Fall  (13 hrs)  Spring  (12 hrs)
ESE 3940 3 hrs  ESE 4943 12 hrs
LAE 4360 3 hrs
LAE 4342 4 hrs
TSL 4141 3 hrs
ENGLISH - LITERATURE (B.A.)  
College of Arts and Humanities  
English Department, CNH 301,  
http://english.ucf.edu  
E-mail: english@ucf.edu  
T. Krise, 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 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.

Fulfill University requirements for Honors in the Major Grade of ÔBÔ (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs). Successful completion and oral defense of honors thesis.

1. UCF General Education Program (36 hrs)  
A. Communication Foundations  
Select ENC 1101 and ENC 1102 6 hrs  
Prefer SPC 1800 Fund of Oral Com 3 hrs
B. Cultural and Historical Foundations  
Select one class from 1.B.1 list 3 hrs  
Prefer LIT 2110 World Literature I 3 hrs  
Prefer LIT 2120 World Literature II 3 hrs

2. Common Program Prerequisites (6 hrs)  
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

*See Transfer Notes for possible substitutes

3. Core- Gateway Courses (6 hrs)  
a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses 3 hrs
ENG 3014 Theory & Tech of Literary Study
b. Choose one gateway course: 3 hrs
CRW 3013 Creative Writing for English Majors
ENC 3211 Theory & Practice of Tech Writing

4. Literary History Requirement (15 hrs)  
Choose five courses from the two groupings:

a. Select at least two of these literature courses:
AML 3031 American Literature I
AML 3613 Narratives of Slavery
AML 4304 Whitman & Heirs
AML 4306 Nineteenth Century British Prose
AML 4308 Eighteenth Century Studies
AML 4309 English Romantic Writers
LIT 4374 Literature of the Bible

b. Select at least two of these literature courses:
AML 3031 American Literature I
AML 3613 Narratives of Slavery
AML 4304 Whitman & Heirs
AML 4306 Nineteenth Century British Prose
AML 4308 Eighteenth Century Studies
AML 4309 English Romantic Writers
LIT 4374 Literature of the Bible

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 3 hrs
AML 3031 American Literature I
AML 3613 Narratives of Slavery
AML 4304 Whitman & Heirs
AML 4306 Nineteenth Century British Prose
AML 4308 Eighteenth Century Studies
AML 4309 English Romantic Writers
LIT 4374 Literature of the Bible

b. Choose one linguistics or theory course: 3 hrs
ENG 3014 Theory & Tech of Literary Study
LIN 3010 Principles of Linguistics
LIN 4100 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
LIT 4555 Advanced Marxist Theory
LIT 4554 Advanced Literary Theory

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

c. Choose three upper level courses 9 hrs
AML, ENL, or LIT prefix

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
8. Electives (variable)
Select primarily from upper level courses, with departmental advisors 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 hours

Related Programs: Creative Writing, Technical Writing
Related Minors: Creative Writing, Linguistics, Technical Writing, Writing

Transfer Notes: Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Literature if taken prior to transferring to UCF:
ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

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
HUM 2210* reqf 1B1-GEP 3
MGE 1106* reqf 1C1-GEP 3
POS 2041* reqf 1D1-GEP 3
SPC 1600* reqf 1A3-GEP 3
Sophomore Year
Fall
BSC 1005* reqf 1E2-GEP 3
LIT 2120 World Lit II 3
PSY 2012* reqf 1D2-GEP 3
Elective* Check restrictions 3
SPN 1121* reqf Lang/Elect 4
Spring
ENC 1011, 1012 3
CHM 1020* reqf 1E1-GEP 3

Junior Year
Fall
ENL 2012* reqf 4a-Hist 3
LIN 4100* reqf 5b-UD 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Senior Year
Fall/Spring
AML 4101* reqf 5c-UD 3
ENL 4253* reqf 5c-UD 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

ENGLISH - TECHNICAL WRITING (B.A.)
College of Arts and Humanities
Department, CNH 301
http://english.ucf.edu
E-mail: english@ucf.edu
T. Krise, 407-823-2212

Admission 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
- 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 6 hrs
Select ENC101, ENC 102 3 hrs
Prefer SPC1600 Fund of Oral Com 3 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
Prefer MGF1106 Finite Mathematics (may substitute a higher level math) 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites
ENC 1101* Composition I GEP
ENC 1102* Composition II GEP
*See Transfer Notes for possible substitutes

3. Core courses-Basic (6 hrs)
Choose one of the following: 3 hrs
ENC 3211 Theory & Practice of Tech Writing
OR
ENC 3241 Writing for the Technical Professional
Choose one of the following: 3 hrs
ENG 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 3031 American Literature I
AML 3613 Narratives of Slavery
AML 4304 Whitman & Heirs
AML 4202 English Literature I
AML 4220 English Renaissance Poetry and Prose
AML 4230 Eighteenth Century Studies
AML 4240 English Romantic Writers
ENL 4311 Chaucer
ENL 4333 Shakespeare
ENL 4341 Milton and His Age
LIT 4374 Literature of the Bible
b. Select at least one of these post 1865 literature courses.
AML 3041 American Literature II
AML 3283 Contemp American Women’s Fiction
AML 3614 Topics in African American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3640 Native American Literature
Admission Requirements:

All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations

1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations

1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations

1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3032 (PR: MAC 2312)

D. Social Foundations

1. Prefer ECO 2013 or ECO 2023
2. ANT 2000, PSY 2102, or SYG 2000

E. Science Foundations 7 hrs

1. Select PHY 2048/48L (PR: MAC 2311)
2. Prefer GEO 1102
(Note: Environmental Engineering Majors must satisfy both an Earth Science requirement AND a Biological Science requirement).

2. Common Program Prerequisites (CPP’s)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

- CHM 2045/45L
- MAC 2311
- MAC 2312
- MAC 2313
- MAP 2302
- PHY 2048/48L
- PHY 2049/49L
- ENC 1101
- ENC 1102
- CHM 3310
- EGN 1006
- EGN 1007
- EGN 2111
- EGN 2112
- EGN 3160
- EGN 3161

3. Courses Required for the Major

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.

EN 1006C: Intro to the Engineering Profession 1 hr
EGN 1007C: Engineering Concepts & Methods 1 hr
CHM 2045/45L: Chemistry Fundamentals I 4 hrs
MAC 2311: Calculus with Analytic Geometry I 4 hrs
MAC 2312: Calculus with Analytic Geometry II 4 hrs
MAC 2313: Calculus with Analytic Geometry III 4 hrs
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
Humansities Courses 3 hrs
Social Science Courses 3 hrs
Humansities or Social Sciences 3 hrs
UCF Degree Programs

EGN 3943 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 GEP
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 4341 Solid Waste Management 3 hrs
ENV 4561 Environmental Engng-Process Design 4 hrs
ENV 4563 Environmental Control Systems 3 hrs
Note: Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

4. Approved Technical Electives (8 hrs) Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

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.

6. Foreign Language Requirements (0-8 hrs) Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- 25% of course work must be completed in 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: 128 hrs

Related Programs: Chemistry, Civil Engineering,

Transfer Notes:
- 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 with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
Fall 16 hrs
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</tr>
<tr>
<td>*MAC 2312 Calc w/Analy Geo II</td>
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<td>*ECE 2013 Microelectronics</td>
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<td>*ECE 203 Microeconomics</td>
<td>3</td>
<td></td>
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<tr>
<td>HFT 1000 Introduction to Hospitality Management</td>
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<tr>
<td>HFT 1400 Hospitality Management</td>
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<tr>
<td>HFT 2750 The Event Industry</td>
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<tr>
<td>ECO 2013 Microeconomics</td>
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<tr>
<td>*ANT/PSY/SYG</td>
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<td>HFT 1400 Hospitality Management</td>
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SECOND YEAR
Fall 17 hrs
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<td>HFT 1000 Introduction to Hospitality Management</td>
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<tr>
<td>HFT 1400 Hospitality Management</td>
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Spring 16 hrs
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<td>*MAC 2312 Calc w/Analy Geo II</td>
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<td></td>
</tr>
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<td>*ECE 2013 Microelectronics</td>
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<td></td>
</tr>
<tr>
<td>*ECE 203 Microeconomics</td>
<td>3</td>
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<tr>
<td>HFT 1000 Introduction to Hospitality Management</td>
<td>3</td>
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THIRD YEAR
Fall 15 hrs
<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
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<tr>
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<tr>
<td>*ECE 203 Microeconomics</td>
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<tr>
<td>HFT 1000 Introduction to Hospitality Management</td>
<td>3</td>
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<tr>
<td>HFT 1400 Hospitality Management</td>
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<tr>
<td>ECO 2013 Microeconomics</td>
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Spring 15 hrs
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<thead>
<tr>
<th>Course Code</th>
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<td>*MAC 2312 Calc w/Analy Geo II</td>
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<td>*ECE 2013 Microelectronics</td>
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<tr>
<td>*ECE 203 Microeconomics</td>
<td>3</td>
<td></td>
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<tr>
<td>HFT 1000 Introduction to Hospitality Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HFT 1400 Hospitality Management</td>
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FOURTH YEAR
Fall 13 hrs
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<td>*MAC 2313 Calc w/Analy Geo III</td>
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<tr>
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<tr>
<td>*ECE 2013 Microelectronics</td>
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<tr>
<td>*ECE 203 Microeconomics</td>
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<td>HFT 1000 Introduction to Hospitality Management</td>
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<td>HFT 1400 Hospitality Management</td>
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<tr>
<td>ECO 2013 Microeconomics</td>
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<td>*ANT/PSY/SYG</td>
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Spring 14 hrs
<table>
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<tr>
<th>Course Code</th>
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<tr>
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<tr>
<td>*MAC 2312 Calc w/Analy Geo II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>*ECE 2013 Microelectronics</td>
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<tr>
<td>*ECE 203 Microeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HFT 1000 Introduction to Hospitality Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HFT 1400 Hospitality Management</td>
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<td></td>
</tr>
<tr>
<td>ECO 2013 Microeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*ANT/PSY/SYG</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

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

ENVIRONMENTAL STUDIES TRACK
See Liberal 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 Piczam
Degree Requirements
1. UCF General Education Program (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 CFS 2100CC Computer Fundamentals for Bus or
      STA 2033 Statistical Methods I 3 hrs
   D. Social Foundations
      Select ECO 2013 Microeconomics or
      ECO 203 Microeconomics 3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
      E. Science Foundation 6 hrs

2. Common Event Degree Requirements (6 hours)
   HFT 1000 Introduction to Hospitality Management 3 hrs
   HFT 2750 The Event Industry 3 hrs

3. Hospitality Management Core (25 hours)
FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*

Freshman Year

<table>
<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</td>
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<td>ENC 1102</td>
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<tr>
<td>SPC 1600C</td>
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Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<tr>
<td>HFT 2254</td>
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<tr>
<td>CGS 2100CC</td>
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Junior Year

<table>
<thead>
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<td>FSS 2221C</td>
<td>3 hrs</td>
<td>HFT 3431</td>
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</tr>
<tr>
<td>HFT 2254</td>
<td>3 hrs</td>
<td>HFT 3940</td>
<td>1 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>3 hrs</td>
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Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3757</td>
<td>3 hrs</td>
<td></td>
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</tr>
<tr>
<td>HFT 4941</td>
<td>3 yrs</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Free electives</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

TOTAL SEMESTER HOURS REQUIRED: 120 hours

Note: See laboratory component under Section 2.

1. UCF General Education Program (36 hrs)

2. Common Program Prerequisites (25 hrs)

3. University Minimum Exit Requirements

4. Practicum (3 hours)

5. Event Management Core (24 hours)

6. Restricted Electives (15 hours)

7. Foreign Language Requirements (0-8 hrs)

8. University Minimum Exit Requirements

9. Unrestricted Electives (6-14 hrs)

EXCEPTIONAL STUDENT EDUCATION (B.S.)

College of Education

Department of Child, Family and Community Sciences

ED 209
http://www.education.ucf.edu/

Program Coordinator: Dr. Lee Cross
ED 315-N, 407-823-5477
E-mail: lcross@mail.ucf.edu

Admission Requirements:

- 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)

Degree Requirements:

- Students should consult with an advisor prior to registration
- Students must earn a "C" in each required Exceptional Education course
- The courses designated in 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

UCF Degree Programs

Department of Child, Family and Community Sciences

ED 209
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## UCF Degree Programs

### Communications

- ENC 1101 Composition I  
- ENC 1102 Composition II  
- SPC 1600 Fundamentals of Oral Communication

### Humanities (6 hrs)

- PHI 2010 Introduction to Philosophy
- Select one: ARH 2050 The History of Art I or ARH 2051 The History of Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures

### Mathematics (9 hrs)

- MAC 1155 College Algebra
- MGF 1106 Finite Mathematics
- Select one of the following (per GEP): STA 1060C Basic Statistics using MS Excel or STA 1061C Basic Statistics using SPSS or STA 107T Basic Statistics (Quantitative Methods for Business) or STA 107Y Basic Statistics (Gordon Rule)

### Social Science/History (12 hrs)

- AMH 2010 U.S. History 1492-1877
- AMH 2020 U.S. History 1877-Present
- POS 2041 American National Government
- PSY 2012 General Psychology

### Science (9 hrs)

- Select one of the following: ARH 2051, MUL 2011, THE 2001

### Exceptional Education (33 hrs)

- EDF 4066 Curriculum and Instructional Strategies for Special Needs Students
- EEX 3842 Internship I
- EEX 4941 Internship II

### Science Core Requirements (9 hrs)

- Select one: AST 2002 Astronomy or BSC 1005 Biological Principles or GEO 1200 Physical Geography or GYL 1030 Geology and its Applications

### Education Core Requirements: (9 hrs)

- *EDG 4323 Professional Teaching Practices
- *RED 3012 Basic Foundations of Reading
- *EEX 2010 Orientation to Special Education
- *EEX 3241 Methods of Academic Skills Ex Ed
- *TSL 4080 Theory and Practice of Teaching ESOL

### Internship I Prerequisites:

- *EDG 4323 Professional Teaching Practices
- *RED 3012 Basic Foundations of Reading
- *EEX 2010 Orientation to Special Education
- *EEX 3241 Methods of Academic Skills Ex Ed
- *TSL 4080 Theory and Practice of Teaching ESOL

### Specialization Core Requirements (33 hrs)

- *RED 3012 Basic Foundations of Reading
- RED 4519 Diagnostic and Corrective Reading
- RED 4043 Content Reading K-12
- LAE 4314 Language Arts in Elem. Schools
- *TSL 4080 Theory and Practice of Teaching ESOL
- TSL 4141 Issues in Second Language Acquisition
- *EEX 3241 Methods of Academic Skills Ex Students
- EEX 3221 Assessment of Ex Students
- EEX 4601 Intro to Behavior Management
- EEX 3243 Techniques for Ex Adolescents and Adults
- EEX 4753 Parent Professional Collaboration

### Internship IPrerequisites:

- Students must be recommended by the faculty for Internship I.

### Internship Requirements

- EEX 3842 Internship I
- EEX 4941 Internship II

### 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.)

### 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.

### University Minimum Exit Requirements

- 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
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

### Recommended Four-Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td></td>
<td>ENC 1101 3 hrs</td>
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<td>PSY 2012 3 hrs</td>
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<td>Spring</td>
<td>EDF 3842 3 hrs</td>
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<tr>
<td></td>
<td>ENC 1102 3 hrs</td>
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<td></td>
<td>MUL 2010 3 hrs</td>
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#### Sophomore Year

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<tr>
<td></td>
<td>BSC 1005 3 hrs</td>
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<tr>
<td></td>
<td>MUL 2010 3 hrs</td>
</tr>
<tr>
<td></td>
<td>RED 3012 3 hrs</td>
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</tbody>
</table>

#### Junior Year

<table>
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<tr>
<th>Semester</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EDF 4066 3 hrs</td>
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<tr>
<td></td>
<td>EEX 4050 3 hrs</td>
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#### Senior Year

<table>
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<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Fall</td>
<td>EDF 4066 3 hrs</td>
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<tr>
<td></td>
<td>EEX 4050 3 hrs</td>
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</tbody>
</table>
### FILM - B.F.A.

**College of Arts and Humanities**  
**School of Film and Digital Media**  
Film Division, COM 121, 407-823-3456  
E-mail: film@mail.ucf.edu  
Division Head: S. Schlow, 407-823-0694

**Limited Access Program**

**Admission Requirements**
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by Division Head.

**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.
- Continuation in the Film Program requires a positive annual evaluation.
- A maximum of three 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 Division.
- Due to the conservative nature, the BFA demands a closely integrated curriculum. Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</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 (3 hrs)

- FIL 2400 History of the Motion Pictures (3 hrs)
- FIL 1007 Foundations of Story (3 hrs)

### 3. Lower Level Core Requirements (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>FIL 2107 Script Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1009 Cinematic Expression for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2274C Editing I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2220 Directing I</td>
<td>3 hrs</td>
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<tr>
<td>FIL 2200 Cinematography I</td>
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### 4. Upper Level Core Requirements (42 hrs)

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>DIG 3001 Digital Media Principles</td>
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<tr>
<td>FIL 3124 Short Script I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3201C Intro to Film Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3297 Sound Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3401 Film History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3402 Film History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3503C Film Theory and Criticism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3922 Film Colloquium</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

(Six semesters of Colloquium required at 1 hr each)

### 5. Upper Level Restricted Electives (12 hrs)

Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of Independent Study may be substituted with advisor’s prior approval.

#### Production/Direction

- FIL 3003C Film Documentary
- FIL 3805C Interactive Entertainment
- FIL 4210C Cinematography II
- FIL 4212C Sound Design II
- FIL 4213 Sound Design III
- FIL 4223 Design for Film
- FIL 4228 Directing III
- FIL 4294C Editing II

#### Screen Writing

- FIL 4103 Adaptation
- FIL 4112C Feature/TV Writing II
- FIL 4113C Interactive Writing I
- FIL 4114C Interactive Writing II
- FIL 4506C Genre Writing
- FIL 4906 Independent Study

#### Cinema Studies

- FIL 3309 Women in Film
- FIL 3412 Black Cinema
- FIL 3418 Avant-Garde Cinema
- FIL 3504C Film Theory and Criticism II
- FIL 3511 French New Wave Cinema
- FIL 3512 Italian Neo-Realist Cinema
- FIL 3513 Latin American Cinema
- FIL 3520 Italian Film
- FIL 3521 French Film
- FIL 3522 German Film
- FIL 3551 American Cinema

#### Digital Cinema

- ART 2820 Art as Interface
- ART 3618C Post-Production Design
- COP 3502C Computer Science I
- DIG 3855 Converging Media
- DIG 3135C Digital Imagery
- DIG 4780 Modeling for Realtime Graphics
- ENC 4415 Digital Rhetoric & Modern Dialectic
- IDS 3701C Internet Software Design
- MUC 3311 MIDI Sequencing I

### 6. Capstone Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4203C Capstone I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4211C Capstone II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.
- Department of Film requires taking an exit examination.

### 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 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 hours

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema

Related Minors: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable substitutes for Common Program Prerequisites
- FIL 2400 may substitute FIL 1001, but FIL 2400 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.

FILM - CINEMA STUDIES TRACK (B.A.)

College of Arts and Humanities
School of Film and Digital Media
Film Division, COM 121, 407-823-3456
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Division Head: S. Schlow, 407-823-0694

Admission Requirements: None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “B” (3.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entree into the BFA Film Program.
- Co-op or internship credit cannot be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Division.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

B. Cultural and Historical Foundations
   - FIL 2107 Script Analysis 3 hrs
   - FIL 2224C Foundations of Production 3 hrs
   - FIL 3006 Art of the Cinema 3 hrs
   - FIL 3102 Writing for Film and TV 3 hrs
   - FIL 3124 Short Script or
   - FIL 3252C Cinematic Expression 3 hrs
   - FIL 3300C Film Documentary 3 hrs
   - FIL 3401 Film History I 3 hrs
   - FIL 3402 Film History II 3 hrs
   - FIL 3418 Avant-Garde Cinema 3 hrs
   - FIL 3503C Film Theory and Criticism I 3 hrs
   - FIL 3504C Film Theory and Criticism II 3 hrs
   - FIL 3510 World Cinema Traditions 3 hrs
   - FIL 3551 American Cinema 3 hrs
   - FIL 4604 The Film Producer 3 hrs

2. Common Program Prerequisites (3 hrs)
   - FIL 2400 History of the Motion Pictures 3 hrs
   - *see Transfer Notes for possible substitutes

3. Core Requirements (48 hrs)
   - DIG 3001 Digital Media Principles 3 hrs

4. Restricted Upper Division Electives (9 hrs)
   - Select three courses from the following upper level FIL courses:
     - FIL 3511 French New Wave Cinema 3 hrs
     - FIL 3512 Italian Neo-Realist Cinema 3 hrs
     - FIL 3520 Italian Film 3 hrs
     - FIL 3521 French Film 3 hrs
     - FIL 3522 German Film 3 hrs
     - FIL 3542 Cinema Criticism (writing) 3 hrs
     - FIL 3548 Independent Study 3 hrs
     - FIL 3569 Film and Internet Business 3 hrs
     - FIL 3570 Film Production 3 hrs
     - FIL 3575 Film Editing 3 hrs
     - FIL 4506 Independent Study 3 hrs

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.

7. Foreign Language Requirements (0-8 hrs)
   - Admission: Met by graduation requirement.
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   - Select primarily from upper division courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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: Animation, Art, Creative Writing, Film, Music, Theatre, Radio/TV

Related Minors: Art, Cinema Studies, Creative Writing, Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
- FIL2400 may substitute FIL 1001, but FIL 2400 is a prerequisite
for subsequent Film courses and must be taken.

- FIL 1007 may use any introductory course. However, FIL 1007 is a prerequisite for all cinema studies courses and must be taken.

**FILM- WORLD CINEMA TRACK (B.A.)**

College of Arts and Humanities

School of Film and Digital Media

Film Division, COM 121, 407-823-3456

http://www.film.ucf.edu

E-mail: film@mail.ucf.edu

Division Head: S. Schlow, 407-823-0694

Limited Access Program

Admission Requirements

- The Film - World Cinema track is a limited access program.
- 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 Cinemas 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 designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

   A. Communication Foundations 
   - 9 hrs

   B. Cultural and Historical Foundations
   - Prefer one course from 1.B.1 list
   - Prefer FIL 2400
   - Prefer one course from 1.B.1 or 1.B.2 list
   - 3 hrs

   C. Mathematical Foundations
   - Prefer MGF 1106 (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 2400* History of Motion Pictures  
   - GEP 3 hrs
   - *See transfer notes for possible substitutions

3. **Core Requirements** *(57 hrs)*

   DIG 3001 Digital Media Principles  
   - 3 hrs

   FIL 1009 Cinematic Expression for Majors  
   - 3 hrs

   FIL 2107 Script Analysis  
   - 3 hrs

   FIL 2200 Cinematography I  
   - 3 hrs

   FIL 2220 Directing I  
   - 3 hrs

   FIL 2274C Editing I  
   - 3 hrs

   FIL 3124 Short Script I  
   - 3 hrs

   FIL 3201C Introduction to Film Production  
   - 3 hrs

   FIL 3297 Sound Design I  
   - 3 hrs

   FIL 3300C Film Documentary  
   - 3 hrs

   FIL 3304C Documentary Vision  
   - 3 hrs

   FIL 3307 Docudrama  
   - 3 hrs

   FIL 3401 Film History I  
   - 3 hrs

   FIL 3503C Film Theory and Criticism I  
   - 3 hrs

   FIL 3510 World Cinema Traditions  
   - 3 hrs

   FIL 4301C Documentary Workshop I  
   - 3 hrs

   FIL 4302C Documentary Workshop II  
   - 3 hrs

   FIL 4602 Film Business  
   - 3 hrs

   FIL 4607 Film Production Management  
   - 3 hrs

5. **Upper Level Restricted Electives** *(9 hrs)*

   Select three of the following

   - FIL 30XX Documentary Field Production
   - FIL 3504C Film Theory and Criticism II
   - FIL 3513 Latin American Cinema
   - FIL 4564 Africana Cinema
   - FIL 4574 Images & Text in Context
   - FIL 4604 The Film Producer

   Additional courses may be acceptable. Consult your advisor.

6. **Capstone** *(6 hrs)*

   - FIL 4203C Capstone I  
   - 3 hrs

   - FIL 4211C Capstone II  
   - 3 hrs

7. **Departmental Exit Requirements**

   - A student must maintain an overall average of "B" (3.0) or better in courses within the major.
   - Computer competency met by CGS 1060C or STA 1060C.
   - Department of Film requires a passing grade on an exit examination.

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. 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 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 hours

**Related Programs:** Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.

**Related Minors:** Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

**Transfer Notes:**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes**

- For Common Program Prerequisites

- FIL 2400 may substitute FIL 1001, but FIL 2400 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

**FINANCE (B.S.B.A.)**

College of Business Administration

BA2 101, 407-823-2184

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

Admissions Requirements

- Completion of the UCF General Education Program or an AA degree from a Florida Public Community College

- See Common Program Prerequisites

**Degree Requirements**

1. **UCF General Education Program** *(36 hrs)*
UCF Degree Programs

A. Communications Foundations 9hrs
   Required: SPC 1600

B. Cultural and Historical Foundations 9 hrs
   Select MAC 1105 College Algebra
   Select CGS 2100C Comp Fundamentals for Bus

C. Mathematical Foundations 3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000

D. Social Foundations 9 hrs
   Select two of the following:
   A. Communications Foundations 9hrs
   B. Cultural and Historical Foundations 9 hrs
   ECO 2023 Microeconomics
   Select one: PSY 2012, SYG 2000, ANT 2000

E. Science Foundations 6 hrs

2. Common Program Prerequisites
   Must be completed with a "C" (2.0) or better.
   ACG 2071 Principles of Managerial Accounting
   ECO 2013 Principles of Microeconomics

3. Required for All Business Majors (30 hrs)
   - First or subsequent semester in the College of Business Administration:
     GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
     GEB 3356 Introduction to International Business 3 hrs
     BUL 3130 Legal & Ethical Environments of Business 3 hrs
     ECO 3411 Quantitative Business Tools I 3 hrs
     FIN 3403 Business Finance 3 hrs
     MAN 3025 Management of Organizations 3 hrs
     ISM 3011 Essentials of Management Information Systems 3 hrs
     MAR 3023 Marketing 3 hrs
   - Last Semester:
     MAN 4720 Strategic Management 3 hrs

4. Special College and/or Department Requirements
   - Students who change degree programs and select this major
     must adopt the most current catalog.
   - Only grades of "C" (2.0) or higher transfer into the program and
     students must have a "C" (2.0) or better in each common pro-
     gram prerequisites class.
   - Students wanting to major in finance must apply for admission to
     the major.
   - Final exams will be given during exam week.
   - Any student receiving a business degree must complete one half
     (30) of the 60 hours of upper level business courses for their
     degree program in the UCF College of Business Administration.
     Additionally, at least 12 of the 30 credit hours completed at UCF
     must be from the department or school in which the student majors.
   - A maximum of 6 hours of required or elective coursework (from
     sections 5 and 6 below) can count toward another major or
     minor degree program.
   - Students majoring in finance must earn a grade of "C" (2.0) or
     better in each course applied toward the major, and a 2.0 overall
     average in the major.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   - FIN 3303 Financial Markets 3 hrs
   - FIN 3414 Intermediate Corporate Finance 3 hrs
   - FIN 3504 Investment Analysis 3 hrs
   - FIN 4453 Financial Models 3 hrs
   - Select two of the following:
     FIN 4313 Management of Financial Institutions 3 hrs
     FIN 4324 Commercial Bank Management 3 hrs
     FIN 4514 Portfolio Analysis and Management 3 hrs
     FIN 4521C Applied Portfolio Management I 4 hrs
     FIN 4522C Applied Portfolio Management II 4 hrs
     FIN 4533 Financial Derivatives 3 hrs
     FIN 4604 International Financial Management 3 hrs
     FIN 4424 Adv Topics in Financial Management 3 hrs

6. Restricted Electives (9 hrs)
   - Select three of the following:
     ACG 3131 Financial Accounting Concepts 3 hrs
     ACG 3141 Intermediate Financial Accounting 3 hrs
     ACG 3361 Intermediate Managerial Accounting 3 hrs
     ECO 3412 Economic Statistics and Econometrics 3 hrs
     FIN 3470 Financial Statement Analysis 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: 

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 res-
    idency 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 appli-
     cable)

9. Electives*** (variable)
Total Semester Hours Required 120 hours

Community/Junior College Transfer Notes
   - Common Program Prerequisites for the State University System
     for College of Business Administration programs include:
     Financial Accounting, Managerial Accounting, Microeconomics,
     Microeconomics, Calculus, Statistics, and a relevant computer
     class. At UCF Business, students who have completed the cal-
     culus and statistics class will be waived from Quantitative
     Business Tools I. Students who have completed either the cal-
     culus 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 com-
     plete the Associate of Arts degree, to include the general educa-
     tion 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 (jun-
     ior, senior) course areas and cannot be satisfied with freshman,
     sophomore level courses.
   - A minimum of 12 semester hours must be completed at UCF
     within each individual major.
   - Orientation and advising at the 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.
A. Communications (9 hrs)

B. Humanities (6 hrs)
- PHI 2104 Introduction to Philosophy
- Select one:
  - ARH 2050 History of Western Art I
  - ARH 2051 History of Western Art II
  - MUL 2101 Enjoyment of Music
  - THE 2000 Theatre Survey
  - FIL 3400 History of Motion Pictures

C. Mathematics (9 hrs)
- MAC 1105 College Algebra
- MGF 1106 Finite Mathematics

D. Social Science/History (12 hrs)
- Select one of the following (per GEP)
  - ADA 1103 American National Government
  - ECO 1003 Economic Principles
  - HIS 1003 American History I
  - HIS 1004 American History II

E. Science (9 hrs + lab)
- STA 2014C Principles of Statistics
- STA 1060C Basic Statistics using MS Excel

F. Education Courses (9 hrs)
- EDF 4214 Classroom Learning Principles
- EDF 4323 Professional Teaching Practices

G. Diversity Courses (6 hrs)
- Select one of the following:
  - AMH 2010 U.S. History 1492-1877
  - AMH 2020 U.S. History 1877-Present
  - PSY 2012 General Psychology

H. Other Program Prerequisites (6 hrs)
- FRE 2200 Intermediate French I
- FRE 2201 Intermediate French II

3. Education Core Requirements (15 hrs)
- *EDG 4323 Professional Teaching Practices
- *EDF 4603 Analysis of Critical Issues in Education
- *EDF 4214 Classroom Learning Principles
- TSL 4080 Theory and Practice of Teaching ESOL

4. Internship I (ESE3940) (3 hrs)
- Program Internship I Prerequisites: EDG 4323, EDF 4214, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" in all of these prerequisite courses
- See additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (21 hrs)
- *FLE 4333 For Lang Tch in the Elementary School
- *FLE 4314 For Lang Tch in the Secondary School
- FRE 3300 French Grammar
- FRE 3420 French Composition
- FRE 3760 Advanced French Oral Composition

6. Upper Division Restricted Electives (9 hrs)
- Select three upper division (3000 or 4000 level) courses in French with advisor's approval.

7. Other Cognate Requirements (3 hrs)
- Select one of the following:
  - FRE3760 French Phonetics and Diction
  - LIN 4643 Cross-Cultural Communication

8. Internship II (ESE4943) (12 hrs)
1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)
   ENC 1101 Composition I
   ENC 1102 Composition II
Select SPC 1600 Fundamentals of Oral Communication (3 hrs)

B. Cultural-Historical Foundations (9 hrs)
Select AMH 2010 U.S. History 1492-1877 (3 hrs)
Select AMH 2020 U.S. History 1877-Present (3 hrs)
Select PHI 2010 Introduction to Philosophy (3 hrs)

C. Mathematical Foundations (6 hrs)
Select MGF 1106 Finite Mathematics (3 hrs)
Select one:
   STA 1060C Basic Statistics using MS Excel or
   STA 2014C Principles of Statistics (3 hrs)

D. Social Foundations (6 hrs)
Select POS 2041 American National Government (3 hrs)
Select PHI 2012 General Psychology (3 hrs)

E. Science Foundations (6 hrs)
Select one:
PSC 1121 Physical Science or
   PSC 1121L General Physics or
Select one:
   ANT 2511 The Human Species or
   BSC 1105 The Human Body (3 hrs)

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (25 hrs)

A. Communications (9 hrs)
   ENC 1101 Composition I
   ENC 1102 Composition II
   SPC 1600 Fundamentals of Oral Communication

B. Humanities (6 hrs)
   PHI 2010 Introduction to Philosophy
   Select one:
   ARH 2050 History of Western Art I or
   ARH 2061 History of Western Art II or
   MUL 2100 Theatre Survey or
   THE 2000 History of Motion Pictures

C. Mathematics (9 hrs)
   MAC 2311 College Algebra
   MGF 3310 Finite Mathematics
   One of the following (per GEP)
   STA 1060C Basic Statistics using MS Excel or

Note: See laboratory component under Section 2.
### 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
- 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)

### 12. Total Semester Hours Required 124 hrs

At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

### 13. Recommended Four-Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall (12 hrs)</th>
<th>Spring (16 hrs)</th>
</tr>
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<tbody>
<tr>
<td>EDF 2005 3 hrs</td>
<td>EDC 2701 2 hrs</td>
</tr>
<tr>
<td>ENC 1101 3 hrs</td>
<td>ENC 1102 3 hrs</td>
</tr>
<tr>
<td>MGF 1106 3 hrs</td>
<td>MAC 1105 3 hrs</td>
</tr>
<tr>
<td>PSY 2012 3 hrs</td>
<td>POS 2041 3 hrs</td>
</tr>
<tr>
<td>SPN 2200 3 hrs</td>
<td>PSC 1121 3 hrs</td>
</tr>
<tr>
<td>PSC 1121L 1 hr</td>
<td>PSC 1121L 1 hr</td>
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</table>

#### Summer (6 hrs)

| EME 2040 3 hrs |
| PHI 2010 3 hrs |

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall (15 hrs)</th>
<th>Spring (12 hrs)</th>
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<tbody>
<tr>
<td>AMH 2010 3 hrs</td>
<td>AMH 2020 3 hrs</td>
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<tr>
<td>BSC 1005 3 hrs</td>
<td>AST 2002 3 hrs</td>
</tr>
<tr>
<td>SPC 1600 3 hrs</td>
<td>SPN2201 or 3 hrs</td>
</tr>
<tr>
<td>SPN 2200 3 hrs</td>
<td>SPN 3234 with</td>
</tr>
<tr>
<td>STA 2041C 3 hrs</td>
<td>advisor’s consent</td>
</tr>
</tbody>
</table>

#### Summer (3 hrs)

| TSL 4080 3 hrs |

#### Junior Year

<table>
<thead>
<tr>
<th>Fall (15 hrs)</th>
<th>Spring (15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>*EDF 4214 3 hrs</td>
<td>RED 4043 3 hrs</td>
</tr>
<tr>
<td>*EDF 4233 3 hrs</td>
<td>SPW 3101 or 3 hrs</td>
</tr>
<tr>
<td>SPN 3300 3 hrs</td>
<td>SPN 3131 3 hrs</td>
</tr>
<tr>
<td>SPN 3420 3 hrs</td>
<td>Cognate elective</td>
</tr>
<tr>
<td>SPN 3760 3 hrs</td>
<td>Upper division</td>
</tr>
<tr>
<td>or in place of SPW 3101 and SPW 3101:</td>
<td>restricted electives</td>
</tr>
</tbody>
</table>

#### Summer (6 hrs)

| *FLE 4314 3 hrs |
| *FLE 4333 3 hrs |

#### Senior Year

<table>
<thead>
<tr>
<th>Fall (12 hrs)</th>
<th>Spring (12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 3 hrs</td>
<td>ESE 4943 12 hrs</td>
</tr>
<tr>
<td>ESE 3940 3 hrs</td>
<td>SPW 3100 or 3 hrs</td>
</tr>
<tr>
<td>SPW 3131 3 hrs</td>
<td>SPW 3131 3 hrs</td>
</tr>
</tbody>
</table>

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### Summer (3 hrs)

**UCF Degree Programs**

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**STA 2014C** Principles of Statistics (12 hrs)

**D. Science (9 hrs + lab)**

- AMH 2020 U.S. History 1877-Present (6 hrs)
- POS 2041 American National Government (6 hrs)
- PSY 2012 General Psychology (6 hrs)

**E. Science (9 hrs + lab)**

- PSC 1121L Physical Science Laboratory (6 hrs)
- One of the following (per GEP) (6 hrs)
  - ANT 2511 The Human Species or
  - BSC 1005 Biological Principles
  - AST 2002 Astronomy or
  - GEO 1200 Physical Geography or
  - GLY 1030 Geology and its Applications

**F. Education Courses (9 hrs)**

- EDF 2005 Introduction to Education (3 hrs)
- EDF 2701 Teaching Diverse Populations (3 hrs)
- EME 2040 Technology for Educators (3 hrs)

**G. Diversity Courses GEP**

- Select one associated science lab: 1 hr
  - GLY 1030 Geology and its Applications
  - AST 2002 Astronomy
  - BSC 1005 Biological Principles

**H. Other Program Prerequisites (6 hrs)**

- Select one: 3 hrs
  - PSC 1121 Physical Science GEP (3 hrs)
  - PSY 2012 General Psychology GEP (3 hrs)
  - AMH 2010 U.S. History 1492-1877 GEP (3 hrs)
  - AMH 2020 U.S. History 1877-Present GEP (3 hrs)
  - SPN 2200 Intermediate Spanish Language and Civ I (3 hrs)
  - SPN 2201 Intermediate Spanish Language and Civ II or (3 hrs)
  - SPN 2324 Advanced Directed Readings (may be taken in place of SPN2201 with advisor’s consent) (3 hrs)

**3. Education Core Requirements (15 hrs)**

- *EDG 4323 Professional Teaching Practices 3 hrs*
- *EDF 4603 Analysis of Critical Issues in Education 3 hrs*
- *EDF 4214 Classroom Learning Principles 3 hrs*
- *TSL 4080 Theory and Practice of Teaching ESOL 3 hrs*
- *EDF 4214 Classroom Learning Principles 3 hrs*
- *EDG 4323 Professional Teaching Practices 3 hrs*
- *FLE 4314 Foreign Language Teaching Practicum 3 hrs*
- *FLE 4333 For Lang Tch in the Secondary School 3 hrs*

**4. Internship I (ESE 3940) (3 hrs)**

- Program Internship I Prerequisites: EDF 4214, FLE 4333, and at least 50% of all required foreign language courses must be completed prior to Internship I with a minimum grade of “C” in all these prerequisite courses.*

- See additional requirements listed under College of Education, Office of Clinical Experiences

**5. Specialization Requirements (21 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 Comp (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)
  - or in place of SPW 3100 and SPW 3101: (3 hrs)
- SPW 3130 Survey of Latin American Literature I (3 hrs)
- SPW 3131 Survey of Latin American Literature II (3 hrs)

**6. Upper Division Restricted Electives (9 hrs)**

- Select three upper division (3000 or 4000 level) courses in Spanish with advisor’s approval. Students are encouraged to select from the following courses:
  - SPN 4410 Advanced Spanish Conversation
  - SPN 4421 Advanced Spanish Composition
  - SPN 4510 Spanish Civilization and Culture
  - SPN 4520 Latin American Civilization and Culture
  - Any SPN 4xxx with advisor’s approval

**7. Other Cognate Requirements (3 hrs)**

- Select one of the following: 3 hrs
  - LIN 4643 Cross-Cultural Communication
  - SPN 3852 Bilingualism
  - SPN 4800 Spanish-American Syntax
  - SPN 4801 Spanish Morphosyntax

**8. Internship II (ESE4943) (12 hrs)**

- At least 60% of all required foreign language courses and all methods courses must be completed before doing Internship II

- See additional requirements under College of Education, Office of Clinical Experiences

- 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 6A-5.065
FORENSIC SCIENCE-ANALYSIS TRACK (B.S.)

College of Sciences, Department of Chemistry
CH 329, 407-823-6205
http://www.cas.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 of study described in categories 4 and 5.
- 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 6 hrs
      2. Prefer SPC 1016 3 hrs

   B. Cultural and Historical Foundations
      9 hrs

   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Select STA 2023 3 hrs

   D. Social Foundations 6 hrs

   E. Science Foundations
      1. Select PHY 2048 & L (PR: MAC 2311) 4 hrs
      2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites (16 hrs)

   BSC 2010C Biology I GEP
   CHM 2045C* Chem Fund I 4 hrs
   CHM 2046 & L Chem Fund II with Lab 4 hrs
   MAC 2311 Calculus w/ Anal Geometry I GEP
   MAC 2312 Calculus w/ Anal Geometry II 4 hrs
   PHY 2048 & L* Physics Engr. & Sci. I & Lab GEP
   PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

   *See Transfer Notes for possible substitutes

   + CHM 2045C is an acceptable substitute for CHM 2040.

3. Core Science and Math Requirements (18 hrs)

   BSC 2010C Biology I GEP
   CHM 2210 Organic Chem. I 3 hrs
   CHM 2211 L & Organic Chem II & lab 5 hrs
   CHM 3120 & L Analytical Chemistry & Lab 4 hrs
   STA 2023 Statistical Methods I GEP
   PCB 3063 Genetics 3 hrs
   PCB 3232 Immunology 3 hrs
   MAC 2311 Calculus w/ Anal Geometry I CPP
   MAC 2312 Calculus w/ Anal Geometry II CPP
   PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
   PHY 2049 & L Physics Engr. & Sci. II & Lab CPP

4. Forensic Science Core (19 hrs)

   CHS 3501 Intro to Forensic Science 3 hrs
   CHS 3505C Forensic Microscopy 4 hrs
   CHS 4537 Forensic Lab Quality Assurance 2 hrs
   CHS 3595 Foren Sci in the Courtroom 3 hrs
   CHS 3533C Forensic Biochemistry I 3 hrs
   CHS 4591 Forensic Science Internship 4 hrs

5. Forensic Analysis Track (27 hrs)

   a. Required Courses (15 hrs)
      CHM 3422 Applied Physical Chemistry 3 hrs
      CHM 4130C Advanced Analytical Chemistry 4 hrs
      CHS 3511C Trace Evidence 4 hrs
      CHS 3530C Foren Anal of Controlled Subs 4 hrs

   b. Select 12 hours from the following: (12 hrs)
      ANT 4521C Forensic Anthropology 3 hrs
      BCH 4063 Biochemistry I 3 hrs
      CHM 3212L Organic Lab Techniques II 2 hrs
      CHM 4912 Undergraduate Research 3 hrs
      CHS 4506C Forensic Investigating Techniques 3 hrs
      CHS 4515C Forensic Crime Scene Investigation 4 hrs
      CHS 4547C Advanced Topics in Trace Evidence 3 hrs
      PCB 3063L Genetics Lab 1 hrs
      PCB 3233L Immunology Lab 1 hrs

   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 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 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.

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)

   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 Biochemistry Track
Related Minors: Chemistry

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:
  - CHM 2045C*: may use CHM 1040 plus CHM 1041
  - MAC 2311* and 2312*: Although MAC 2353 & 2354 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.

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.
FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)

College of Sciences, Department of Chemistry
CH 223, 407-823-0163
http://www.cas.ucf.edu/chemistry/
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.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2, 3, 4, and 5: Science and math below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program of study 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.
- Communication Foundations

- Math test See catalog
- Chem test See catalog

2. Common Program Prerequisites (16 hrs)

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>BSC 2010C Biology I</td>
<td>PHY 2048 Phy for Eng Sci I</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>PHY 2048L Phy L Eng Sci I</td>
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<td>MAC 2311 Calc Anal Geo I</td>
<td>CHM 2046 Chemistry Fund II</td>
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<td>CHM 2045C Chemistry Fund II</td>
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<td>MAC 2312 Calc Anal Geo II</td>
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<td>CHS 3501 Intro to For Sci</td>
<td>MAC 2311 Calculus w/ Anal Geometry I</td>
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3. Core Science and Mathematics Requirements (20 hrs)

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<th>Senior Year</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>CHM 3120 Analy Chem &amp; L</td>
<td>ENC 1102 Composition II</td>
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<td>PCB 3063 Genetics</td>
<td>REL 2300* req# 183-GEP</td>
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<tr>
<td>STA 2023 Stat Methods I</td>
<td>CHM 3955 For Sci in the Crt</td>
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<td>PHY 2049 Phy for Eng Sci II</td>
<td>CHM 4130C Adv Analy L Tech</td>
</tr>
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<td>PHY 2049L Phy L Eng Sci II</td>
<td>BCH 4053* req# 5b-RElect</td>
</tr>
<tr>
<td>CHM 2210 Organic Chem I</td>
<td>ANT 4521C* req# 5b-RElect</td>
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<td><strong>Total science and math hours</strong> (20 hrs)</td>
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4. Forensic Science Core (19 hrs)

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<tr>
<td>PHY 2048 &amp; L* Physics Engr. &amp; Sci. II &amp; Lab</td>
<td>MAC 2312 Calculus &amp; Anal Geo II</td>
</tr>
<tr>
<td>MAC 2311 Calculus &amp; Anal Geo I</td>
<td>MAC 2312 Calculus &amp; Anal Geo II</td>
</tr>
<tr>
<td>PHY 2048L Physics Science &amp; Eng I</td>
<td>PHY 2048L Physics Science &amp; Eng II</td>
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5. Forensic Biochemistry Track (29 hrs)

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<tbody>
<tr>
<td>CHM 3501 Intro to Forensic Science</td>
<td>CHS 3505C Forensic Microscopy</td>
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<tr>
<td>CHS 4537 Forensic Lab Quality Assurance</td>
<td>CHS 4537 Forensic Lab Quality Assurance</td>
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<tr>
<td>CHS 3595 Foren Sci in the Courtroom</td>
<td>CHS 3595 Foren Sci in the Courtroom</td>
</tr>
<tr>
<td>CHS 3533C Forensic Biochemistry I</td>
<td>CHS 4591 Forensic Science Internship</td>
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<tr>
<td><strong>Total major track hours</strong> (29 hrs)</td>
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</table>

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.
- 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.

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: 

- 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
## UCF Degree Programs

**FRENCH (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages & Literatures**

**CHN 523**,  
[http://www.cas.ucf.edu/forlang](http://www.cas.ucf.edu/forlang)  
E-mail: Modernlanguages@ucf.edu  
P. Giordano, 407-823-2472

**Admission Requirements**  
None

**Placement in 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.

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above
- At least six of the 36 French credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in French
- Earn at least a “C” (2.0) in each upper division French course
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations  
  Select MGF 1106 Finite Mathematics 3 hrs  
  (may substitute a higher level math)
  Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

### 2. Common Program Prerequisites (0-14 hrs)

- FRE 1107* Elem French Lang & Civ I 4 hrs
- FRE 1120* Elem French Lang & Civ II 4 hrs
- FRE 2200* Interim French Lang & Civ I 3 hrs
- FRE 2201* Interim French Lang & Civ II 3 hrs
- * May be met by proficiency test or completion of FRE 2201

### 3. Core requirements (21 hrs)

- FRE 3300* Advanced Grammar 3 hrs
- FRE 3420* French Composition or 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRE 3760* Adv French Oral Communication or 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- FRE 3780* French Phonetics and Diction 3 hrs
- FOL 3730 Romance Philology 3 hrs
- *A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

### 4. Upper Division Restricted Electives (15 hrs)

- French literature beyond the survey level 6 hrs  
  (taught in French)
5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by CGS 1060C or equivalent

6. Foreign Language Requirements
   - (0-16 hrs)
   - Admission: Met by Graduation requirements.
   - Graduation: Met by 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 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: 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.

GENERAL BUSINESS (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu
Faculty Advisor: B. Moore, BA 466, 407-823-5256, bmoore@bus.ucf.edu

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program
   - (36 hrs)
   - Required: SPC 1600
   - A. Communication Foundations
   - Select one: Communication Fundamentals or Speech Fundamentals
   - B. Cultural and Historical Foundations
   - Select one: History, Philosophy, Art, or Social Science
   - C. Mathematical Foundations
   - Select one: MAC 1105 College Algebra or MAC 1147 College Algebra
   - Select one: MAC 2233 Calculus or MAC 2311 Calculus
   - D. Social Foundations
   - Select one: ECO 2013 Macroeconomics or ECO 2023 Macroeconomics
   - Select one: PSY 2012, SYG 2000, ANT 2000
   - E. Science Foundation
   - Select one: PHY 2064, CHE 1001, or ENV 1000

2. Common Program Prerequisites
   - Must be completed with a “C” (2.0) or better:
   - ACG 2011 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Macroeconomics
   - ECO 2023 Microeconomics
   - *ECO 3401 Quantitative Business Tools I
   - CGS 2100CC Computer Fundamentals for Business

3. Required for All Business Majors
   - (30 hrs)
   - First or subsequent semester in the College of Business Administration:
   - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
   - GEB 3356 Introduction to International Business 3 hrs
   - BUL 3130 Legal & Ethical Environments of Business 3 hrs
   - ECO 3411 Quantitative Business Tools II 3 hrs
   - FIN 3403 Business Finance 3 hrs
   - MAN 3025 Management of Organizations 3 hrs
   - ISM 3011 Essentials of Management Info Sys 3 hrs
   - MAR 3023 Marketing 3 hrs
   - Last Semester:
     - MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn an average 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):
   - Students must take one course from each of the following areas:
     - Accounting (must take ACG 3131), Economics (must take ECP 4703), Finance, Management, and Marketing. These five courses are restricted to the courses listed below:
       - Accounting
         - ACG 3131 Financial Accounting Concept
         - ACG 3361 Intermediate Managerial Accounting
       - Economics
         - ECO 3223 Money and Banking
         - ECO 3303 Contemporary Labor Economics
         - ECO 4703 Managerial Economics
       - Finance
         - FIN 3303 Financial Markets
         - FIN 3414 Intermediate Corporate Finance
         - FIN 3504 Investment Analysis
       - Management
         - MAN 3301 Management of Human Resources
         - MAN 4240 Organizations: Theory and Behavior

6. Restricted Electives (four courses):
   - (12 hrs)
   - Restricted electives are to be taken from three 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.
UCF Degree Programs

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 hours

   ***General electives as required to reach 120 semester hours.

GENERAL BUSINESS (B.S.B.A.)
AS to BS TRACK
Note: For detailed information about this program, see the AS to BS Program section.

HEALTH INFORMATION MANAGEMENT (B.S.)
College of Health and Public Affairs
HPA2 210, 407-823-2369
Undergraduate Program Director: Thomas Falen
E-mail: tfalen@mail.ucf.edu
Web Address: http://www.cohpa.ucf.edu/health.pro/

Admission Requirements
Limited Access
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 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 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 Health Information Program

UCF Residency Requirement: 31 hours
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
      Select MAC 1105
      Select STA 2014C
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs
      Select BSC 2010C
      Select CHM 1032

2. Common Program Prerequisites (17 hrs)
   ZOO 3733C Human Anatomy* 4 hrs
   PCB 3703C Human Physiology* 4 hrs
   STA 2014C Statistics GEP
   CGS 2100C Computer Science for Business* 3 hrs
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   * see transfer notes

3. Core Requirements (68 hrs)
   HSC 3157 Introduction to Pharmacology 3 hrs
   HSA 3170 Health Care Finance 3 hrs
   HSA 4109 Principles of Managed Care 3 hrs
   HSA 4191 Health Care Automation 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs
   HSC 3531 Medical Terminology 3 hrs
   HSC 3640 Health Law 3 hrs
   HSC 4550 Pathophysiological Mechanisms 3 hrs
   MAN 3025 Management of Organizations or
   HSA 4180 Organization /Management for Health Agencies 3 hrs
   HIM 3006 Foundations of Health Information Management 3 hrs
   HIM 3116C Health Record Organization & Management 4 hrs
   HIM 3800L Professional Practice Exp. I 4 hrs
   HIM 3810L Professional Practice Exp. II 4 hrs
   HIM 4226C Coding Procedures I 5 hrs
   HIM 4256C Coding Procedures II 3 hrs
   HIM 4676 Professional Development Issues in Health Information Management 3 hrs
   HIM 4344C Health Information Department Management 4 hrs
   HIM 4506 Quality Management 3 hrs
   HIM 4898 Management Affiliation 5 hrs
   HIM 4656C Health Information Management Systems 3 hrs

4. Upper Division Restricted Electives none

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.
   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 (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
Tentative Course Schedule for Entering Freshmen

Freshman Year*

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<td>MAC 1195</td>
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<td>or ANT 2000</td>
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<td>POS 2041 or ECO 2013</td>
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<td>Spring</td>
<td>ENC 1102</td>
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<td>STA 2014C</td>
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<td>BSC 2010C</td>
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<td>ELH 2000 or HUM 2210</td>
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<td>or AMH 2010</td>
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<td></td>
<td>Plan your required nine summer hours into your course of study</td>
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*Plan your required nine summer hours into your course of study

Sophomore Year

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Senior Year

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<td>HSC 4550**</td>
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<tr>
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<td>HSC 3531**</td>
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Junior Year

<table>
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Summer

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<td></td>
<td>HIM 4256C</td>
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Summer

<table>
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<tr>
<th>Term</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HIM 4838</td>
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</table>

**NOTE: The asterisked courses may be taken at any time during the two years. The HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

HEALTH SCIENCES - ATHLETIC TRACK (B.S.)

College of Health and Public Affairs
HPA2 210, 407-823-3463
http://www.cooha.ucf.edu/health.pro/athletic
E-mail: kschell@mail.ucf.edu
Undergraduate Program Director: Kristen C. Schellhase, MEd, ATC, CSCS

Admission Requirements

Students may only begin the athletic training program track in the Summer semester and must have:
A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training PENDING.
B. A minimum of 2.75 overall grade point average.

C. Completion of an AA degree from a Florida Community College; or completion of UCF's General Education Program.
D. This limited access 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.
E. Consent of Program Director.
F. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to Program 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 that they believe that, with certain accommodations, they can meet the standards. 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 a 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 internships deemed essential to graduation. Each candidate must
8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Aging Studies Certificate, Business, Public Administration

Related Minors: Business, Computer Sciences, Aging Studies, Biology, Coaching, Fitness Training, Health Information Management, Health Sciences, Health Services Administration and Public Administration. Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

Transfer Notes:
- Biology I with Lab (BSC 1010/L) 4 hrs
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086) 8 hrs
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Tentative Course Schedule for Entering Freshmen

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>Freshman Year*</td>
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<tr>
<td>PET 4603</td>
<td>3 hrs</td>
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<tr>
<td>PET 3620C</td>
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<td>PET 4606C</td>
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<table>
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<tr>
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</table>

4. Upper Division Restricted Electives
- none

5. Departmental Exit Requirements (120 hrs)
- Two years of successful clinical rotation under the direct supervision of a certified Athletic Trainer (ATC).

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
HEALTH SCIENCES - Pre-Clinical Allied Health Track (B.S.)

College of Health and Public Affairs
HPA2 210, 407-823-2369
http://www.cohpa.ucf.edu/healthpro/

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

Admission Requirements: none

Degree Requirements:

- Students should complete the General Education Program 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.
- Students must earn at least a "C" (2.0) in each course accepted as a Common Program Prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C."
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.

1. UCF General Education Program (36 hrs)
   - Communication Foundations (9 hrs)
   - Cultural Historical Foundations (9 hrs)
     Select: MUL 2010 Enjoyment of Music or REL 2300 World Religions or THE 2000 Theater Survey or PHI 2010 Intro to Philosophy (6 hrs)
   - Mathematical Foundations (6 hrs)
     Select: MAC 1114 Trigonometry or MAC 1115 College Algebra (3 hrs)
   - Social Foundations (6 hrs)
     Select: STA 2014 Principles of Statistics or STA 2023 Statistical Methods I or STA 2024 Statistical Methods II or STA 2024C Principles of Statistics or STA 2024C Statistical Methods I (3 hrs)
   - Science Foundations (6 hrs)
     Select: BSC 2010C Biology I or BSC 2010C Biology I and Lab

2. Common Program Prerequisites (0 hrs)
   - MAC 1114 Trigonometry or GEP
   - STA 2014C Principles of Statistics or GEP
   - STA 2023 Statistical Method I
   - BSC 2010C Biology I or GEP

3. Core Requirements - Lower Division (30 hrs)
   - CGS 1060C Intro to Computer Science or 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - CHM2045C Chemistry Fundamentals I with lab 4 hrs
   - CHM2046 Chemistry Fundamentals II 3 hrs
   - CHM2046L Chemistry Fundamentals II lab 1 hr
   - CHM2205 Introduction to Organic and Biochemistry 3 hrs
   - DEP2004 Developmental Psychology 3 hrs
   - ECO2023 Microeconomics or GEP 3 hrs
   - HSC 2000 Intro to the Allied Health Professions 2 hrs
   - HUM2002 Modern Concepts in Nutrition 3 hrs
   - MAC 1114 College Trigonometry or GEP 3 hrs
   - MCB2004 Microbiology for Health Professionals 4 hrs
   - PHY2053C College Physics I (not for Sci and Eng) or GEP 3 hrs
   - PHY2054C College Physics II (not for Sci and Eng) 4 hrs

4. Core Requirements - Upper Division (41 hrs)
   - Basic and Health Sciences (14 hrs)
     HSC2101 Introduction to Pharmacology 3 hrs
     HSC2150 Pathophysiology 3 hrs
     ZOO3703 Physiology 4 hrs
     ZOO3735 Anatomy 4 hrs
   - Health Services (27 hrs)
     HSA 3111 US Healthcare Systems 3 hrs
     HSA 4301 Community Health Services 3 hrs
     HSA 4180 Org & Mgt of Health Agencies 3 hrs
     HSA 3430 Health Care Economics 3 hrs
     HSC 3640 Health Law 3 hrs
     HSC 4500 Epidemiology 3 hrs
     HSC 4653 Healthcare Ethics 3 hrs
     HSA 4702 Health Sciences Research Methods 3 hrs
     HIM 4506 Quality Management 3 hrs

5. Upper Division Restricted Electives:
   - Choose a minimum of 3 courses from the list below
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 3222 Long Term Care Administration 3 hrs
   - HSA 4109 Managed Care 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSC 3110C Medical Self Assessment 3 hrs
   - HSC 3531 Medical Terminology 3 hrs
   - HSC 4243 Analysis of Instruction 3 hrs
   - HSC 4564 Healthcare Needs of the Elderly 3 hrs
   - HSC 3593 HIV Disease 3 hrs
   - HSC 4008 Professional Development of the Health Prof'ns 3 hrs
   - PHT 4119C Clinical Gross Anatomy 4 hrs

6. Unrestricted 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. Program Exit Requirements (120 hrs)
   - 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, 3 and 4 above). An overall 2.0 GPA must be attained for all coursework (see sections 1 - 5).
   - Students should note that graduate programs may require a higher level of performance for admission.

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, Health Services Administration. The program is a Preparatory Program for Graduate Level Clinical Disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Health Services Administration.
UCF Degree Programs

Tentative Course Schedule for Entering Freshmen

Freshman Year

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<th>Fall</th>
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<tbody>
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<td>ENC 1101</td>
<td>ENC 1102</td>
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<td>CHM 2046 &amp; 2046L or BSC 2010C</td>
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</tr>
<tr>
<td>PHY 2053C</td>
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</tr>
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<td>MAC 1114</td>
<td>HSC 2000</td>
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Sophomore Year

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<tbody>
<tr>
<td>MUL 2010 or REL 2300</td>
<td>PHYS 2000 or PHI 2010</td>
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</tr>
<tr>
<td>MCB2004</td>
<td>CHM 2205</td>
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<tr>
<td>EH 2001 or HUM 2211</td>
<td>EUH 2001 or HUM 2230 or HUM 2020</td>
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<tr>
<td>or STA 2023</td>
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Summer

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<tbody>
<tr>
<td>Foreign Lang I* or other lower level courses 2/4</td>
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<tr>
<td>Foreign Lang II* or other lower level courses 3/4</td>
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<td>* if not satisfied in high school.</td>
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Junior Year

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<td>HSC 3640</td>
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<td>PHY 2054C</td>
<td>HSA 4201</td>
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<td>ZOO 3733</td>
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<tr>
<td>or STA 2023</td>
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Senior Year

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<tr>
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HEALTH SERVICES ADMINISTRATION (B.S)

College of Health and Public Affairs

HPA2 210, 407-823-2359
http://www.cohpa.ucf.edu/health.pro/

Executive Director of HSA Programs: Myron Fottler
Undergraduate Program Director: Thomas Falen
Graduate Program Director: Dawn Oetjen

This program is also currently available online. Students who choose to take online courses are urged to complete either CGS 2100CC or CGS 1060C prior to enrolling in online-based courses. 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://distrui.ucf.edu/home.

Admission Requirements: none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- 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 9 hrs
     - Prefer SPC 1600
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
     - Select MAC 1105
     - Select STA 2014C or 2023
   - D. Social Foundations 6 hrs
     - Select ECO 2023
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites (9 hrs)
   - CGS 2100CC Computer Fund for Business Applications or CGS1060C Intro to Computer Science
   - ECO 2023 Microeconomics
   - ACG 2011 Financial Accounting
   - ACG 2071 Managerial Accounting
   - STA 2014C or 2023 Statistical Methods

   Students must earn a “C” (2.0) or better in each Common Program Prerequisite course.

3. Core Requirements (45 hrs)
   - HSA 3111 U.S. Health Care Systems 3 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 3222 Long Term Care Administration 3 hrs
   - HSA 4109 Principles of Managed Care 3 hrs
   - HSA 4201 Community Health Services 3 hrs
   - HSA 4180 Organization and Management for Health Agencies 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSA 4502 Risk Management or HIM 4506 Quality Management 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3531 Medical Terminology 3 hrs
   - HSC 3540 Health Law 3 hrs
   - HSC 4500 Epidemiology 3 hrs
   - HSC 4564 Health Care Needs of the Elderly 3 hrs
   - HSC 4565 Health Care Ethics 3 hrs
   - HSA 3430 Health Care Economics 3 hrs

   Students must earn a “C” (2.0) or better in each Core Requirement course.

4. Upper Division Restricted Electives: none

5. Program Exit Requirements (120 hrs)
   - Students must earn a “C” (2.0) or better in each Health Services Administration elective course.

6. Electives (variable)

   Students are encouraged to take additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Sciences, Aging Studies, Public Administration, Criminal Justice, and Business. HSA elective courses include:
   - HSA 4941 Health Administration
   - HSA 4945C Health Information Management Systems
   - HSA Internship
   - HSA 4950 Foundations of Health Information Management
   - HSA 4956 Quality Management

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
   - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. University Minimum Exit Requirements
   - 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.
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 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
      Prefer CGS 1060C Intro to Computer Sci 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)
   AMH 2010* US History: 1492-1877 GEP
   AMH 2020* US History: 1877-Present GEP
   *See Transfer Notes for possible substitutes

3. Core Requirements (9 hrs)
   HRS 4150 History & Historians 3 hrs
   Select one sequence
     1) Western Civilization
        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.
   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

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 including, but not limited to, book critiques, in-class essay exams, and term papers.
   Computer Competency met by completion of the major
   Students must complete at least 18 of the required 36 History hours at UCF

6. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
**Universities of Central Florida**

### Degree Programs

**Related Programs:** Humanities

**Related Minors:** African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women’s Studies

**Transfer Notes:**
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American History courses and will need to be taken for the major.

**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>AMH 2010 U S His 1492 1877</td>
<td>AMH 2020 U S His 1877 Pres</td>
</tr>
<tr>
<td>BSC 1005* req# 1E2-GEP</td>
<td>AST 2002* req# 1E1-GEP</td>
</tr>
<tr>
<td>ENC 101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>MGF 1106* req# 1C1-GEP</td>
</tr>
<tr>
<td>SPC 1600* req# 1A3-GEP</td>
<td>SYG 2000* req# 1D2-GEP</td>
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**Sophomore Year**

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<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ARH 2050* req# 1B3-GEP</td>
<td>ASH 2023* req# 4.1-ResEle</td>
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<tr>
<td>CGS 1060C Intro to Comp Sci</td>
<td>EUH 2051* req# 3-Core</td>
</tr>
<tr>
<td>EUH 2050* req# 3-Core</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>SPN 2120* req# Lang/Elect</td>
<td>SPN 2121* req# Lang/Elect</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 4150 History &amp; Histms</td>
<td>ASH 3223* req# 4.1-ResEle</td>
</tr>
<tr>
<td>ASH 3222* req# 4.1-ResEle</td>
<td>EUH 3651* req# 4.2-ResEle</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Portfolio See catalog</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAH 3130* req# 4.3-ResEle</td>
<td>AMH 3423* req# 4.4-ResEle</td>
</tr>
<tr>
<td>AMH 3571* req# 4.4-ResEle</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

**HISTORICAL ACCELERATED PROGRAM (B.A. and M.A.)**

**Accelerated Undergraduate/Graduate Program**

**Note:** For detailed information about this program, see description in the “Accelerated Undergraduate/Graduate Program” section of this Undergraduate Catalog.

**HOSPITALITY 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

**Degree Requirements**

**1. UCF General Education Program**

<table>
<thead>
<tr>
<th>Course</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>3 hrs</td>
</tr>
</tbody>
</table>

**Select MAC 1105 College Algebra**

**2. Common Program Prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to Hospitality/Tourism</td>
</tr>
</tbody>
</table>

**3. Hospitality Management Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2220</td>
<td>Hospitality Management Core Classes</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
</tr>
<tr>
<td>HFT 3755</td>
<td>Theme Park and Attraction Mgmt</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
</tr>
<tr>
<td>HFT 4941 Internship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship III</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 3933</td>
<td>Distinguished Lectures in Hospitality Management</td>
</tr>
</tbody>
</table>

**4. 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.

**5. Restricted Electives:**

Students must take 15 credit hours of Hospitality Management courses from the following list for the Generalist track. Alternatively, students may choose one of the seven specialized career tracks as outlined below.

**A. Generalist Track**

Choose five advanced courses from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3313</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>HFT 3434</td>
<td>Hospitality Planning &amp; Design</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Finance</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hospitality Facility Consulting</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
</tr>
<tr>
<td>HFT 4941 Internship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship III</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4753</td>
<td>Convention &amp; Conference Services</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit &amp; Trade Show Operations</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Tourism Geography</td>
</tr>
<tr>
<td>HFT 4756</td>
<td>Travel Agency Management</td>
</tr>
<tr>
<td>HFT 4757</td>
<td>Event Management</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation Mgmt in Foodservice Industry</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Vacation Ownership Resort Management</td>
</tr>
</tbody>
</table>

**Select CGS 2100C Computer Fundamentals for Bus or STA 2023 Statistical Methods I | 3 hrs **

**D. Social Foundations**

Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics

Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |

**E. Science Foundation**

6 hrs
D. Theme Park and Attraction Mgmt Track – Choose 5 Courses (15 hrs)
HFT 4768 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

E. Tourism Management Track (15 hrs)
HFT 4735 Tourism Geography 3 hrs
HFT 4722 Travel Agency Management 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4754 Exhibit & Trade Show Operations 3 hrs
HFT 3757 Event Management 3 hrs

F. Lodging Management Track (15 hrs)
HFT 3313 Hospitality Physical Plant Management 3 hrs
HFT 4343 Hospitality Facilities Planning & Design 3 hrs
HFT 4473 Hotel Development Analysis 3 hrs
HFT 4423 Hospitality Industry Auditing 3 hrs
HFT 4413 Technology Applications for Management 3 hrs

G. Hospitality Financial Management and Technology (15 hrs)
HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
HFT 4473 Hospitality Facilities Planning & Design 3 hrs
HFT 4453 Food, Beverage and Labor Cost Controls 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4413 Technology Applications for Management 3 hrs

H. Golf Management Track – Choose 5 Courses (15 hrs)
HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
HFT 4277 Yacht, Country, and City Club Management 3 hrs
HFT 3285 International Restaurant Corporate Mgmt 3 hrs
HFT 3511 Convention and Conference Sales 3 hrs
HFT 3515 Reservations Sales & Marketing 3 hrs
HFT 284 Training and Performance in the Food Svc Ind 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 3898 History of Wine and Culture 3 hrs
HFT 4894 International Gastronomy 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 3785 Management of Gaming Enterprises 3 hrs
HFT 3792 Event Design and Production 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4255 Advanced Hotel Development 3 hrs
HFT 4266 Hospitality Business Consulting 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 4791 Event Management II 3 hrs
HFT 4796 International Events 3 hrs
HFT 4865 Advanced Wine Management 3 hrs

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

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF

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.

8. Unrestricted Electives (6-14 hrs)
As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hours

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.

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
CGS 2100CC or STA 2023 3 SPC 1600 3
UCF Degree Programs

HFT 1000  3  HFT 2500 Hospitality Marketing  3
PSY 2012, SYG 2000  3  MAC1105 College Algebra  3
ANT 2000  3

Sophomore
Fall  15 hrs  Spring  15 hrs
ECS 2013  3  CultHist Foundation  3
Science Foundation I  3  Science Foundation II  3
Unrestricted Elective  3  HFT 2403 Host Fin Acct  3
HFT 3444 Hosp Info Sys  3  HFT 2220 Hosp Hum Res  3
Sectoral Study Course  3  FSS 221C Quant Food Prep  3

Junior
Fall  14 hrs  Spring  16 hrs
HFT 3540 Guest Svs Mgmt  3  Sectoral Study Course  3
HFT 3600 Legal Environ  3  Sectoral Study Course  3
Hospitality Elective  3  Hospitality Elective  3
HFT 3940 Internship I  1  HFT 3942 Internship II  1
HFT 3933 Dist Lect in Hosp  1  Sectoral Study Course  3

Senior
Fall  15 hrs  Spring  15 hrs
HFT 4941 Internship III  1  HFT 4295 Strat Mgt in Hosp  3
HFT 4286 Hospitality Communications  3  Hospitality Elective  3
Hospitality Elective  3
Unrestricted Electives  8  Unrestricted Electives  3

HOSPITALITY MANAGEMENT (B.S.)

A.S. to B.S. Track
Note: For detailed information about this program, see description in the AS to BS Programs section.

HUMANITIES (B.A.)

College of Arts and Humanities
Philosophy Department, CNH 411,
http://www.cas.ucf.edu/philosophy/
E-mail: philosophy@ucf.edu
Bruce Janz, 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.

 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
 Prefer PHI 2010 Intro to Philosophy or REL 2300 World Religions  3 hrs

 C. Mathematical Foundations
 Prefer MGF 1106 Finite Mathematics (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  none

 3. Core requirements  (6 hrs)

 HUM 2210 Humanistic Traditions I  GEP
 HUM 2230 Humanistic Traditions II  GEP
 HUM 2020 Encountering the Humanities  3 hrs
 HUM 4933 Humanities Senior Research Seminar  3 hrs

 4. Concentrations (choose one)  (23 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  (9 hrs)

 Select two courses

 HUM 4301 The Classical Ideal  3 hrs
 HUM 3431 Ancient Humanities  3 hrs
 HUM 3435 Medieval Humanities  3 hrs
 HUM 3525 Modern Humanities  3 hrs

 B. Multicultural Humanities  (9 hrs)

 Select one

 HUM 3252 Contemporary Humanities  3 hrs
 HUM 3255 Modern Humanities  3 hrs

 C. Critical Humanities  (9 hrs)

 Select one

 HUM 3255 Modern Humanities  3 hrs
 HUM 3252 Contemporary Humanities  3 hrs
 PHI 4804 Critical Theory  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 from the following:

 UNIVERSITY OF CENTRAL FLORIDA  2006-2007 Undergraduate Catalog

180
HUM 4303  Spiritual Ideal  
PHI 3700  Philosophy of Religion  
PHI 3800  Aesthetics  

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 (30 hrs)

Same requirements as for regular majors

Honors Thesis

HUM 4903H  Honors Directed Readings  
HUM 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
- Earn a “B” (3.0) or better in both HUM 4903H and HUM 4970H
- 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

7. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course
- Computer Competency met by HUM 4970H, 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 hours

Related Programs: Religious Studies, Philosophy, Humanities-Philosophy, Religion, and Popular Culture

Related Minors: Environmental Studies, Humanities, Philosophy, Religious Studies

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

UCF Degree Programs

HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.)

College of Arts and Humanities  
Philosophy Department, CNH 411  
e-mail:philosophy@ucf.edu

Advisor: Bruce Janz, 407-823-2273; Fax: 407-823-6658  
Advisor (Cocoa): Shelley Park; 321-433-7919

Admission Requirements  
none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 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 REL 2300 World Religions or PHI 2010 Intro to Phil  
3 hrs

C. Mathematical Foundations  
6 hrs

- Prefer MGF 1106 Finite Mathematics  
- (May substitute a higher level math)  
- Prefer STA 1060C Statistics Using Excel

D. Social Foundations  
6 hrs

E. Science Foundations  
6 hrs

2. Common Program Prerequisites  
none

3. Core requirements (18 hrs)

a. Core  
(0 hrs)

HUM 2210 Humanistic Traditions I  
GEP
HUM 2230 Humanistic Traditions II  
GEP
PHI 2010 Intro to Philosophy  
GEP

b. Theoretical Foundations  
(6 hrs)

PHI 3684 Ways of Living  
PHI 4341 Ways of Knowing

c. Philosophy  
(6 hrs)

Select two courses:
4. Popular Culture Studies (12 hrs)
   a. Contemporary Media
   (6 hrs)
   Select two courses:
   HUM 3320 Contemporary Multicultural Studies
   HUM 4565 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 3258 Politics in Film
   REL 3115 Religion, Spirituality and Popular Music
   REL 3111 Religion and Philosophy through Film
   SYP 3630 Sociology of Popular Culture
   b. Contemporary Forms of Life (6 hrs)
   Select two courses:
   ANT 3302 Sex, Gender and Culture
   HUM 3252 Contemporary Humanities
   PHI 3022 Sex, Gender and Philosophy
   PHI 3030 Family Values
   PHI 3031 Philosophy, Religion and the Environment
   PHM 3411 Philosophy of Law
   PHI 3638 Ethical Issues in the 21st Century
   PHI 3683 Philosophy of Friendship
   PHI 3XXX Philosophy of Love
   PHI 3123 Feminist Theories
   PHI 4321 Philosophies of Embodiment: Mind/Body/Self
   REL 3131 Religion in America
   REL 3162 Healing: Culture, Art, and Praxis

5. Capstone Course
   (3 hrs)
   HUM 4933 Senior Research Seminar

6. Honors in the Major (Optional)
   Students considering graduate school in humanities are strongly encouraged to take
   Honors in the Major. Requirements are as follows:
   a. Core Requirements, Popular Culture and Capstone
   (33 hrs)
   Same requirements as for regular majors.
   b. Honors Thesis
   (6 hrs)
   HUM 4903H Honors Directed Readings 3 hrs
   HUM 4970H Honors Thesis 3 hrs
   c. Additional Requirements of Honors in the Major
   95 Application and admission through the Humanities Honors Coordinator
   95 Fulfill University requirements for Honors in the Major
   95 Earn a “B” (3.0) or better in both HUM 4903H and HUM 4970H
   95 Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
   95 Successful completion and oral defense of Honors thesis

7. Departmental Exit Requirement
   • Departmental Exit Exam in final semester.
   • Earn a “C” (2.0) or better in each required course
   • Computer Competency met by HUM 4970H, HUM 4933, or STA 1060C.
   • To avoid delaying graduation, you must request a review of
     requirements prior to registering for your last term.

8. Foreign Language Requirements
   (0-8 hrs)
   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
      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: Humanities or Religious Studies, Philosophy
Related Minors: Humanities, Philosophy, Religious Studies

Transfer Notes:
• Courses taken at community colleges do not substitute for Upper
  Division courses.
• Courses transferred from private and out-of-state schools must
  be evaluated for equivalency credit. The student must provide all
  supporting information.

INDUSTRIAL ENGINEERING (B.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering & Management Systems (IEMS) Department
ENG 2312, 407-823-2204, Fax: 407-823-3413
http://www.iems.ucf.edu/
Sandy Furterer, E-Mail: furterer@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before regist-
tering for their first semester at UCF. Orientation includes engineer-
ing academic advisement and registration for first-semester UCF
classes; see also the section, Orientation, found elsewhere in this
catalog.

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 sec-
   tion, General Education Foundation, found elsewhere in this catalog.
   Engineering students should closely study the requirements of
   the UCF GEP and the allowable substitutions detailed in paragraphs
   A. through E. below to minimize excess hours. Students transferring to
   UCF from within the Florida State University/ Community College
   Systems should complete the GEP and the Common Program
   Prerequisites before transferring.

   A. Communication Foundations
   (9 hrs)
   1. Select ENC 1101 & ENC 1102
   2. Prefer SPC 1016
   B. Cultural and Historical Foundations
   (9 hrs)
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300,
      PHI 2010, LIT 2110, or LIT 2210
   C. Mathematical Foundations
   (7 hrs)
   1. Select MAC 2311 (PR: MAC 1141)
   2. Select STA 2032 (PR: MAC 2312)
   D. Social Foundations
   (6 hrs)
   1. Prefer ECO 2013 or ECO 2023
   E. Science Foundations
   (7 hrs)
   1. Select PHY 2048/48L (PR: MAC 2311)
   2. ANT 2011, 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

UCF Degree Programs
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 2048/49L 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

(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 2048/49L** 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

3. **Courses Required for the Engineering Core** (22 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 and normally are awarded grades of I, S, or U.

**EGN 1006C** Intro to the Engineering Profession 1 hr

**EGN 1111C** Engineering Computer Graphics 2 hrs

**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 or Thermodynamics 3 hrs

**EGN 3365** Structure & Properties of Materials 3 hrs

**EGN 3373** Principles of Electrical Engineering 3 hrs

4. **Courses Required for the Major** (40 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 3023** 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

**EIN 4628C** IE Applications of Computers 3 hrs

**EIN 4243C** Human Engineering 3 hrs

**EIN 4333C** Industrial Control Systems 3 hrs

**EIN 4364C** Industrial Planning & Design 3 hrs

**EIN 4391C** Manufacturing Engineering 3 hrs

**ESI 4221** Empirical Methods for IE 3 hrs

**ESI 4234** Quality Engineering 3 hrs

**ESI 4312** Operations Research 3 hrs

**ESI 4523C** Systems Simulation 3 hrs

5. **Approved Technical Electives** (3 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 4516C** 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 & Management  

**Transfer Notes:**

- 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 with his/her petition for this evaluation.

**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</th>
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</thead>
<tbody>
<tr>
<td><em>CHS 1440 Fund of Chm/Engr</em> 4</td>
<td>EIN 1101 English Comp I 3</td>
</tr>
<tr>
<td>EIN 1102 English Comp II 3</td>
<td>*MAC 2311 Calc with Analytic Geo III 4</td>
</tr>
<tr>
<td>*MAC 2311 Calc with Analytic Geo I 4</td>
<td>EGN 1006C Intro to Eng 1</td>
</tr>
<tr>
<td>EIN 1106C Intro to the Engineering Profession 1</td>
<td>*PHY 2048/L Phys Engr/Sci I 4</td>
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<table>
<thead>
<tr>
<th>Spring</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 English Comp I 3</td>
<td>*MAC 2311 Calc with Analytic Geo II 4</td>
</tr>
<tr>
<td>ENC 1102 English Comp II 3</td>
<td>EIN 4516C Systems Analysis &amp; Design 3</td>
</tr>
<tr>
<td>EIN 4628C IE Applications of Computers 3</td>
<td>EIN 4891C IE Senior Design Project 3</td>
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**SECOND YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td><em>ECO 2013 Macroeconomics or</em></td>
<td>EIN 4312 Operations Research 3</td>
</tr>
<tr>
<td>EUG 3365 Strtr &amp; Prop Matls 3</td>
<td>EIN 3314C Work Measurement &amp; Design 3</td>
</tr>
<tr>
<td>EIN 3613 Engng Econ Anal 2</td>
<td>EIN 4391C Mfg. Engr. 3</td>
</tr>
<tr>
<td>*Social Foundations II 3</td>
<td>EIN 3854 Princ of Cost Engrng 3</td>
</tr>
<tr>
<td>EIN 1111C Compgr Systems 3</td>
<td>EIS 4221 Empirical Methods for IE 3</td>
</tr>
<tr>
<td>EIN 4523C Systems Simulation 3</td>
<td>EIS 4234 Quality Engineering 3</td>
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<table>
<thead>
<tr>
<th>Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>EIN 3314C Work Meas &amp; Dsgn 3</td>
<td>EIN 4391C Mfg. Engr. 3</td>
</tr>
<tr>
<td>EIN 4391C Mfg. Engr. 3</td>
<td>EIS 4221 Empirical Methods - IE 3</td>
</tr>
<tr>
<td>EIN 3854 Princ of Cost Engineering 3</td>
<td>EIS 4234 Quality Engineering 3</td>
</tr>
<tr>
<td>EIS 4212 Operations Research 3</td>
<td>*Historical Foundations 3</td>
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</table>

**THIRD YEAR**

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<tr>
<th>Fall</th>
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<td>EIN 3314C Work Meas &amp; Dsgn 3</td>
<td>EIN 4391C Mfg. Engr. 3</td>
</tr>
<tr>
<td>EIN 4391C Mfg. Engr. 3</td>
<td>EIS 4221 Empirical Methods - IE 3</td>
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<td>EIS 4234 Quality Engineering 3</td>
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<tr>
<td>EIS 4212 Operations Research 3</td>
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<tr>
<td>EIS 4523C Systems Simulation 3</td>
<td>*Historical Foundations 3</td>
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<table>
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<tr>
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<tbody>
<tr>
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<td>EIN 4391C Mfg. Engr. 3</td>
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<tr>
<td>EIN 4391C Mfg. Engr. 3</td>
<td>EIS 4221 Empirical Methods - IE 3</td>
</tr>
<tr>
<td>EIN 3854 Princ of Cost Engineering 3</td>
<td>EIS 4234 Quality Engineering 3</td>
</tr>
<tr>
<td>EIS 4212 Operations Research 3</td>
<td>*Historical Foundations 3</td>
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<table>
<thead>
<tr>
<th>Summer</th>
<th>9 hrs</th>
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</thead>
<tbody>
<tr>
<td>EIN 4624 Engineering Admin 3</td>
<td>EIN 3309 Therm-Flds-Ht Trans or EIN 3343 Thermodynamics 3</td>
</tr>
<tr>
<td>EIN 3309 Therm-Flds-Ht Trans or EIN 3343 Thermodynamics 3</td>
<td>*Historical Foundations 3</td>
</tr>
<tr>
<td>EIN 3314C Work Measurement &amp; Design 3</td>
<td>*Historical Foundations 3</td>
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</table>

**FOURTH YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>EIN 4628C IE Computer Appl 3</td>
<td>EIN 4891C IE Sr. Design Proj 3</td>
</tr>
<tr>
<td>EIN 4516C Systems Analysis &amp; Design 3</td>
<td>EIN 4981C IE Senior Design Project 3</td>
</tr>
<tr>
<td>EIS 4212 Operations Research 3</td>
<td>EIN 4981C IE Senior Design Project 3</td>
</tr>
<tr>
<td>EIS 4234 Quality Engineering 3</td>
<td>*Historical Foundations 3</td>
</tr>
<tr>
<td>EIN 4628C IE Computer Appl 3</td>
<td>*Science Foundation II 3</td>
</tr>
</tbody>
</table>

**Notes:**

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
UFC Degree Programs

2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

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 used between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207
Coordinator: Bahman Motlagh
407-823-4748 Fax: 407-823-4746
http://www.ent.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)
   A. Communication Foundations
      (nine hours completed in AS degree program)
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1015
   B. Cultural and Historical Foundations
      (3 hrs taken in AS degree program)
      1. Select MAC 1105
      2. Select STA 2023
         (completed in AS degree program)
   C. Mathematical Foundations
      6 hrs
      1. Select MAC 1147
      2. Select STA 2023
      (completed in AS degree program)
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Lower Level Required Courses Taken
   at Community College
   (33 hrs)

3. Prerequisite Courses
   (14 hrs)
   (C or better grade required in all courses)
   MAC 1105 College Algebra and
   GEP
   MAC 1144 College Trigonometry or
   3 hrs
   MAC 2147 Mathematics for Calculus
   5 hrs
   EET 3085C Electricity & Electronics
   4 hrs
   CET 3223C Digital Technology
   4 hrs
   CET 2364 Systems Applications in C
   3 hrs

4. Required Technical Courses
   (27 hrs)
   (C or better grade required in all courses)
   CET 3929 Linux/Unix Sys Admin
   3 hrs
   CET 3010 Intro to Info Technology
   3 hrs
   CET 4427 Applied Database I
   3 hrs
   CET 3363 Applied Systems Analysis I
   3 hrs
   CET 4505 Applied Operating Systems I
   3 hrs
   CET 3752 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. IST Support Courses
   (6 hrs)
   ENC 3241 Writting For Technical professional
   3 hrs
   EET 4448 Applied Proj Mgmt
   3 hrs
   STA 2023 Statistical Methods
   GEP

6. Technical Electives
   (12 hrs)
   (C or better grade required in all courses)
   Choose four from the following
   CET 3198C Digital Systems
   3 hrs

7. Departmental Exit Requirements
   none

8. Foreign Language Requirements
   (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

9. Approved Technical Electives
   Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. University Minimum Graduation Requirements
    A 2.0 UCF GPA
    60 semester hours earned after any CLEP award
    48 semester hours of upper division credit completed
    30 of the last 36 hours of course work must be completed in residency at UCF
    25% of course work must be completed in residency at UCF
    As maximum 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: Secure Computing and Networks
Related Minors: 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 this 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.

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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 14 hrs
EET 3085C Elect & Electronics 4 Tech Elective 3
CET 3010 Intro to Info Tech 3 CET 3353 Linux/Unix Sys Admin 3
CET 2364 Systems Apps in C 3

Spring 12 hrs
CET 4333 Intro to Local Area Network 3
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 4522 Applied Systems Analysis II 3 hrs
CET 4429 Applied Database II 3 hrs
CET 4583 Web Base Systems I 3 hrs
CET 4584 Web Base Systems II 3 hrs
CET 4663 Computer & Networks Security 3 hrs
STA 5937 Data Mining I 3 hrs
CET 4884 Security Meth & Pract 3 hrs
CET 4882 Security & Biometric 3 hrs
CET 4885 Invest Digital Tech 3 hrs

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INFORMATION SYSTEMS TECHNOLOGY (B.S.) 
AS to BS Track
Note: For detailed information about this program, see description in the AS to BS Program section.

INFORMATION TECHNOLOGY (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 245
E-mail: it@cs.ucf.edu
http://www.cs.ucf.edu/
S. Lang 407-823-2341

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 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1016
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      6 hrs
      1. Select MAC 1105
      2. Select STA 2023
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (3 hrs)
   MAC 2147 Math for Calculus
   STA 2023 Statistical Methods I
   ECO 2013 Macroeconomics
   PSY 2012 General Psychology
   PHY 2053C College Physics I
   PHI 3626 Ethics in Science and Technology
   GEP

3. Core Requirements (43 hrs)
   COP 3223 C Programming Language
   COP 3502C Computer Science I
   COP 3503C Computer Science II
   COP 3330 Object Oriented Programming
   MAD 2104 Foundations of Discrete Mathematics
   EEL 3041 Circuit Analysis
   EEL 3520 Information Theory
   CGS 2289 Computer Architecture Concepts
   CGS 2562C Database Concepts
   EEL 4882 Eng. Sys. SW (Operating Systems)
   COP 4610L OS Laboratory
   CGS 3285 Computer Network Concepts
   or CET 4483 Intro to Local Area Network Tech.
   CDA 4505C Network Laboratory
   COP 4910 Frontiers of Information Technology
   A minimum grade of "C" (2.0) must be made on each of the required core courses. 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 3241 Technical Report Writing
   CRW 3930 Creative Writing (section for IT majors)

5. Restricted Electives (15 hrs)
   15 hours of upper division courses taken outside of the information technology core requirements. At least nine of these hours must be at or above the 4000 level. The remaining six are at the 3000 level or above. These courses are in areas of the student's choosing. The only restriction is on the level of the courses, not the departments from which they come. However, students are advised to make this a cohesive set of courses. Many departments have plans whereby students can achieve a certification at 15 credits, and a minor at 18. No co-operative education or internship hours are allowed.

6. School Exit Requirements
   - Complete an exit interview with an assigned faculty advisor
   - Computer competency met by completion of major

7. Free Electives (14 hrs)
   - 48 semester hours of upper division credit completed
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the AS to BS Track
   - INFORMATION TECHNOLOGY (B.S.)
   - Complete the General Education Program, the Gordon Rule, the AS to BS Track
   - Note: For detailed information about this program, see description in the AS to BS Program section.
   - Related Programs: Computer Science, Computer Engineering, Management Information Systems
   - Related Minors and Certificates: Information Technology, Computer Science, Secure Computing and Networks
   - 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.

FIRST YEAR
Fall 17 hrs
- ENC 1101 English Comp I
- COP 3223 C Programming
- MAD 2104
- EEL 3041 Circuit Analysis
- EEL 3520 Information Theory
- CGS 2289 Computer Architecture Concepts
- CGS 2512C Data Base Concepts
- EEL 4882 Eng. Sys. SW (Operating Systems)
- COP 4610L OS Laboratory
- CGS 3285
- or CET 4483 Intro to Local Area Network Tech.
- CDA 4505C Network Laboratory
- COP 4910

Spring 15 hrs
- ENC 1102 English Comp II
- COP 3502C Comp Science I
- COP 3330
- MAD 2104
- EEL 3041
- EEL 3520
- CGS 2289
- CGS 2512C
- EEL 4882
- COP 4610L
- CGS 3285
- or CET 4483
- CDA 4505C
- COP 4910

SECOND YEAR
Fall 16 hrs
- ENC 3230 Intro to OO/Java
- COP 3330
- MAD 2104
- EEL 3041
- EEL 3520
- CGS 2289
- CGS 2512C
- EEL 4882
- COP 4610L
- CGS 3285
- or CET 4483
- CDA 4505C
- COP 4910

Spring 16 hrs
- ENC 3102 English Comp II
- COP 3502C Comp Science III
- COP 3330
- MAD 2104
- EEL 3041
- EEL 3520
- CGS 2289
- CGS 2512C
- EEL 4882
- COP 4610L
- CGS 3285
- or CET 4483
- CDA 4505C
- COP 4910

THIRD YEAR
Fall 15 hrs
- ENC 4882 Eng Sys SW
- EEL 3041
- ENC 3241 Tech Rept Writing
- CET 4483 Intro to LAN Tech
- CGS 3285 Comp Network Concepts
- Free elective

Spring 12 hrs
- ENC 4882
- EEL 3041
- ENC 3241
- CET 4483
- CGS 3285
- Free elective

FOURTH YEAR
Fall 15 hrs
- ENC 3520 Information Theory
- CDA 4505C Network Laboratory
- Upper division elective

Spring 15 hrs
- ENC 4910 Foundations of IT
- CDA 4505C
- CRW 3930
- Upper division elective
### INTERPERSONAL/ ORGANIZATIONAL COMMUNICATION (B.A.)

**College of Sciences**  
Nicholson School of Communication, COM 258  
407-823-2852  
http://www.cas.ucf.edu/communication  
E-mail: communication@ucf.edu  
Contact: Susan Jefferson

#### Degree Requirements
- **Admission Requirements**: None

#### Contact Information
- **E-mail**: communication@ucf.edu  
- **Website**: http://www.cas.ucf.edu/communication  
- **Phone**: 407-823-2852  
- **Location**: Nicholson School of Communication, COM 258

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#### Degree Requirements

**UCF Degree Programs**

- **1. UCF General Education Program**
  - **A. Communication Foundations**: Select ENC 1101 & ENC 1102 (6 hrs)  
  - **B. Cultural and Historical Foundations**: Select ENC 1102 or ENC 2101 (3 hrs)  
  - **C. Mathematical Foundations**: Prefer MGF 1106 (3 hrs)  
  - **D. Social Foundations**: ENC 1101 & ENC 1102 (6 hrs)

- **2. Common Program Prerequisites**
  - SPC 1016: Fund of Technical Presentations (GEP) (0 hrs)

- **3. Core Requirements**
  - **A. Communication Foundations**: STA 1006C & STA 2014C (15 hrs)
  - **B. Cultural and Historical Foundations**: ENC 3241 & ENC 3311 or ENC 3110 & ENC 3013 (6 hrs)
  - **C. Mathematical Foundations**: SPC 3301 Interpersonal Communication (3 hrs)
  - **D. Social Foundations**: ENC 3011C Communication & Human Relations (3 hrs)

- **4. Restricted Electives**
  - Select from the following list: (21 hrs)
    - COM 3013 Communication and the Family
    - COM 3110 Business and Professional Communication
    - COM 4014 Gender Issues in Communication
    - COM 4461 Intercultural Communication
    - COM 4462 Conflict Management
    - SPC 3513 Argumentation and Debate
    - SPC 4331 Nonverbal Communication
    - SPC 4504 Attitudes and Communication
  - A maximum of 6 credits of any combination of the following can be used:  
    - ENC 4941 Internship  
    - ENC X949 Coop

- **5. External Restricted Electives**
  - Select primarily from upper level courses. May be taken outside of Nicholson School of Communication.
  - 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 PUR 4110C, CGS 2100CC, or CGS 2585CC, or CGS 3175, or by departmental assessment.

#### 7. 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 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**
- **B. 60 semester hours earned after CLEP awarded**
- **C. 48 semester hours of upper division credit completed**
- **D. 30 of the last 36 hours of course work must be completed in residency at UCF**
- **E. A maximum of 45 hours of extension, correspondence, Credit by Exam, and Armed Forces credits permitted**
- **F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)**

#### Total Semester Hours Required: **120 hrs**


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#### 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.

#### 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  
  - ENC 1102 Composition II 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

- **Spring**: ENC 1102 Composition II 3  
  - ENC 1101 Composition I 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

### Sophomore Year
- **Fall**: ENC 1101 Composition I 3  
  - ENC 1102 Composition II 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

- **Spring**: ENC 1102 Composition II 3  
  - ENC 1101 Composition I 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

### Junior Year
- **Fall**: ENC 1101 Composition I 3  
  - ENC 1102 Composition II 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

- **Spring**: ENC 1102 Composition II 3  
  - ENC 1101 Composition I 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

### Senior Year
- **Fall**: ENC 1101 Composition I 3  
  - ENC 1102 Composition II 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

- **Spring**: ENC 1102 Composition II 3  
  - ENC 1101 Composition I 3  
  - MGF 1106 Math for Liberal Arts 3  
  - STA 2014C Prin of Statistics 3  
  - SPC 1600 Fund of Oral Communication 3  
  - PUR 4110C* 3  
  - CGS 2100CC Computer Fundamentals 3  
  - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C) 3  
  - CGS 3175 Internet Applications (PR: CGS 1060C) 3

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**Total Semester Hours Required**: **120 hrs**

- **A maximum of 3 credits of the following can be used**:  
  - ENC 3250 Professional Writing  
  - ENC 3311 Adv Expository Writing  
  - ENC 3241 Writing for the Tech Professional

**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.
**JOURNALISM (B.A.)**

**College of Sciences**

Nicholson School of Communication,
COM 244, 407-823-2839,
http://www.cas.ucf.edu/communication

E-mail: journalism@ucf.edu

Contact: Fred Fedler

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 an "A" 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 a letter demonstrating commitment to the field.

**Degree Requirements**

- Students who change degree programs 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.
- 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 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.

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3120 Org Communication</td>
<td>COM 3462* req# 4-ResElec</td>
</tr>
<tr>
<td>SPC 3301, Interps Com</td>
<td>COM 4941* req# 4-ResElec</td>
</tr>
<tr>
<td>COM 4461* req# 4-ResElec</td>
<td>MAR 3222* req# 5-Ext RE</td>
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<tr>
<td>PUP 3325* req# 5-Ext RE</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

- Students should consult with a school advisor.

<table>
<thead>
<tr>
<th>1. UCF General Education Program (36 hrs)</th>
<th>A. Communication Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select ENC 1101 &amp; ENC 1102</td>
<td>Select ENC 1101 &amp; ENC 1102</td>
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<tr>
<td></td>
<td>Select ENC 1101 &amp; ENC 1102</td>
</tr>
<tr>
<td></td>
<td>6 hrs</td>
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<td>3 hrs</td>
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<td>3 hrs</td>
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<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td></td>
<td>6 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites: (0 hrs)</th>
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- Select one course

<table>
<thead>
<tr>
<th>3. Common Core requirements (15 hrs)</th>
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</table>

- Select one course

<table>
<thead>
<tr>
<th>4. Specialization: Select one area</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>4.1 Newswriting (17-18 hrs)</th>
</tr>
</thead>
</table>

- Select one course

<table>
<thead>
<tr>
<th>4.2 Visual Communication (17-18 hrs)</th>
</tr>
</thead>
</table>

- Select one course

<table>
<thead>
<tr>
<th>4.3 Editing (17-18 hrs)</th>
</tr>
</thead>
</table>

- Select one course

**Minor:**

- 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 concentration approved by the Faculty.

- Acceptance of portfolio by faculty
- To avoid delaying graduation, you must request a review of...
A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1600
B. Cultural Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites

3. Core Requirements (21 hrs)
PLA 3013 Law and the Legal System 3 hrs
PLA 3104 Legal Research* 3 hrs

NOTE: Courses marked with asterisk (*) 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
- Sports and Entertainment Law
- Criminal Law and Individual Liberties
- Estates and Property Law
- Comparative and International Law
- Commercial and Transactional 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 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 hours
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.

Tentative Course Schedule for Entering Freshmen

<table>
<thead>
<tr>
<th>Freshman Year*</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15/16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>COS 1060C</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3</td>
<td>ECO 2013 or POS 2041</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 or MCB 1310</td>
<td>3</td>
<td>or ECO 2023</td>
<td>3</td>
</tr>
<tr>
<td>For. Lang. I or B.S. option</td>
<td>3/4</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
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<td>3</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>15/16 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ANT 2511 or GLY 1030</td>
<td>3</td>
<td>PSC 1221 or CHM 1020</td>
<td>3</td>
</tr>
<tr>
<td>or GEO 1200</td>
<td>3</td>
<td>PLA 3013</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
<td>One Course: ARH 2050</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td>ARH 2051, MUL 2010, THE 1020, REL 2300, PHI 2010, LIT 2110, LIT 2220</td>
<td>3</td>
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<tr>
<td>For. Lang. II or B.S. option</td>
<td>3/4</td>
<td>EUH 2001 or HUM 2230</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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<td>or AMH 2020</td>
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<table>
<thead>
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<th>Junior Year</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>PLA 3104</td>
<td>3</td>
<td>PLA 3155</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3201</td>
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<td>PLA 3610</td>
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<tr>
<td>PLA Elective</td>
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<td>PLA Elective</td>
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<tr>
<td>Supporting Elective</td>
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<table>
<thead>
<tr>
<th>Senior Year</th>
<th>15 hrs</th>
<th>Spring</th>
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<tbody>
<tr>
<td>PLA 4700</td>
<td>3</td>
<td>PLA 4305</td>
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<td>Internship or PLA Elective</td>
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<td>Internship or PLA Elective</td>
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<tr>
<td>Elective/minor</td>
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<td>Elective</td>
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</tbody>
</table>

LIBERAL STUDIES (B.A., B.S.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144
Liberal Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Liberal Studies, depending on the majority of course areas selected in consultation with a Liberal Studies advisor.

The program is administered through the Office of Liberal Studies in the Office of Undergraduate Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses which meet the needs of individual students.

This program may be completed online with limited area, course, and minor selection done with advisement from a member of the Liberal 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

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester 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 Liberal 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 restricted elective course
- Students must consult with a Liberal 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

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   - Select STA 1060C Statistics Using Excel or STA 2014C Principles of Statistics (may substitute a higher level computer science or statistics course) 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites none

3. Restricted Electives (36 hrs)
   - Students must complete two different subject area concentrations from among those specified below
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student audit.
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined
   - See the Liberal Studies Advising Team for details regarding each area:

     - Arts
     - Behavioral and Social Sciences
     - Commerce
     - Communication
     - Computer Science
     - Education
     - Engineering
     - Health and Biomedical Sciences
     - Humanities
     - Letters and Modern Languages
     - Natural Sciences
     - Public Affairs

4. 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 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

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 met by CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment

6. Foreign Language Requirements (0-8 hrs)
   - Admission-BA: Met by graduation requirement
   - Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation: -BA: Proficiency equivalent to one year of college instruction in 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.

Graduation: -BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the require-
UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

Students who change degree programs and select this major must do so in order to graduate.

Note: Students entering without having met the admission requirements must adopt the most current catalog.

7. Electives (variable)
Select primarily from upper level courses, with Liberal Studies 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)

Total Semester Hours Required 120 hrs
Related Programs: Computer Information Technology Track, Liberal Arts Track, Environmental Studies Track, Women’s Studies Track
Related Minors: Most UCF minors

Marker Llewellyn, 407-823-2341
E-mail: computerscience@ucf.edu
CSB 201
School of Electrical Engineering and Computer Science

LIBERAL STUDIES - COMPUTER INFORMATION TECHNOLOGY TRACK (B.S.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu
Liberals Studies Advising Team, 407-823-0144

College of Engineering and Computer Science

- A grade of “C” or above (2.0) is required for each course taken in the subject areas and the minors
- Computer Competency is met by CIT major.

5. Program Exit Requirements
- 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

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Computer Science, Liberal Arts Track, Environmental Studies Track, Women's Studies Track, Digital Media

Related Minors: None

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144

Admission Requirements

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Internship credit cannot be used in this major without prior written permission of a Liberal Studies advisor
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies major. Non-approved independent studies will not be counted toward 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 should consult with a Liberal 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 a Liberal 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
   - Select MAC 1105 or higher
   - Select STA 2023

B. Cultural and Historical Foundations
   - Select ECO 2013 or ECO 2023
   - Select SYG 2000

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

3. Core for Environmental Studies (11 hrs)
A. Physical/Mathematical Sciences
   - Select CHM 2045C
   - Select MAC 1105
   - Select STA 2023

B. Life Sciences
   - Select BSC 2010C
   - Select BSC 211C
   - Select PCB 304 /304L

C. Social Science & Humanities
   - Select SYG 2000

4. Subject Area: Environmental Studies Fundamentals (19 hrs)
- Select CHM 2045C
- Select BSC 2010C
- Select SYG 2000

5. Subject Areas: Restricted Electives (18 hrs)

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 year college language (or equivalent proficiency exam) prior to graduation
Graduation-BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Judaic Studies or Modern Languages and Literatures, 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 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 Required Hours 120 hours

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 Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES - LIBERAL ARTS TRACK (B.A.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144

The Liberal Arts Track is a Bachelor of Arts degree program available to advanced students seeking an individualized, interdisciplinary, non-traditional major. The degree program is administered by the Office of Liberal and Interdisciplinary Studies Within the Office of Undergraduate Studies.

Admission Requirements
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each restricted elective course
- Co-op or internship credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas. Non-approved independent studies will not be counted toward the major
- Students must consult with a Liberal Studies advisor before entering 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 a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations (9 hrs)
   - B. Cultural and Historical Foundations (9 hrs)
   - C. Mathematical Foundations (6 hrs)
   - Select MGF 1106 Finite Mathematics (may substitute a higher level math)
   - Select CSCI 1060C Intro to Computer Sci or STA 2014C Principles of Statistics or STA 1060C Statistics Using Excel (may substitute a higher level computer science or statistics course)
   - D. Social Foundations (6 hrs)
   - E. Science Foundations (6 hrs)

2. Common Program Prerequisites

3. Core Requirements (6 hrs)
   - One course determined between the student and Liberal Studies advisors from among courses in ethics, critical thinking, or methodologies

4. Restricted Electives (36 hrs)
   - Select one (either A or B):
     - a. Complete a minor from those offered at UCF
     - b. Complete an individualized minor approved by the Liberal Studies advisors
   - Select one (either C or D):
     - c. Complete a second minor from those offered at UCF in the College of Arts and Humanities or College of Sciences
     - d. Complete nine hours in each of two concentrations below:
       - 1. Visual and Performing Arts
       - 2. Natural and Computational Sciences
       - 3. Humanities, Letters and Modern Languages
       - 4. Behavioral, Social Sciences, Communication

5. Program Exit Requirements (3 hrs)
   - Select one of these options, any of which must be approved by the Liberal Studies advisors:
     - IDS 4912 Directed Independent Research
     - IDS 4955 Study Abroad
     - IDS 4970 Undergraduate Thesis

- Students must take a minimum of 18 hours of approved restricted elective courses. Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student audit.
- Students are required to take a minimum of 18 UCF hours, as well as 18 Upper Division hours, in the restricted elective courses.
- Maintain a minimum GPA of 3.0 in all Liberal Arts Track courses

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.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Liberal Studies Track, CIT Track, Environmental Studies Track, Women’s Studies Track
Related Minors: All College of Arts and Sciences 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 Liberal Studies Advising Team. The student must provide all supporting information.

Library of Congress Classification: E. Science Foundations 6 hrs
Admission Requirements none
Undergraduate Studies. Office of Liberal and Interdisciplinary Studies within the Office of
Subject Area #1
Nanoscience and Nanotechnology Area
EMA 3XXX Nanomaterials Process Engineering
EMA 3XXX Nanomaterials Characterization & Appl
PHZ 3422 Nanophysics
BSC 3424 Nanobiotechnology
OSE 3490 Nanophotonics
PHI 4690 Ethics & Societal Implications in Nanotechnology

Subject Area #2 (one of the following areas)
Computer Science
Engineering
Health and Biomedical Sciences
Natural Sciences

4. Required Minor (18 hrs min)
The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school’s requirements.

Student must complete a minor from those offered below. The minor must not overlap with the area chosen for Subject area #2. (The area designation for each minor is listed in parentheses). The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

- Aerospace Studies (Engineering)
- Computer Science (Computer Science)
- Astronomy (Natural Sciences)
- Biology (Natural Sciences)
- Chemistry (Natural Sciences)
- Cognitive Science (Interdisciplinary)
- Information Technology (Computer Science)
- English-Technical Writing (Letters and Modern Languages)
- Environmental Studies (Interdisciplinary)
- Health Science (Health and Biomedical Sciences)
- Mathematics (Natural Sciences)
- Molecular Biology & Microbiology (Health & Biomedical Sciences)
- Physics (Natural Sciences)
- Psychology (Behavioral and Social Sciences)
- Space Studies (Engineering)
- Statistics (Natural Sciences)

5. Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each courses taken in each of the subject areas.
- Computer Competency met by completion of track area and minor requirements.

6. Foreign Language Requirement (0-8 hrs)
Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation-BS: One semester college language or equivalent proficiency exam, or one course with a multicultural dimension
Note: Students entering without having met the admission requirements must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with a Liberal Studies 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 hours

Related Programs: Computer Information Technology Track, Environmental Studies Track
Related Minors: Aerospace Studies, Applied Computer Science, Astronomy, Biology, Chemistry, Computer Science,
Students who change degree programs and select this major

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**LIBERAL STUDIES - WOMEN'S STUDIES TRACK (B.A.)**

**Office of Undergraduate Studies**  
**Office of Liberal and Interdisciplinary Studies**  
CL-I, Room 302; [http://liberalstudies.info](http://liberalstudies.info)

E-mail: ls@mail.ucf.edu  
Liberal Studies Advising Team, 407-823-0144

**Women's Studies Program**

Colbourn Hall 201  
[http://www.cas.ucf.edu/womensstudies](http://www.cas.ucf.edu/womensstudies)

E-mail: womens@pegasus.cc.ucf.edu  
Lisa Logan, 407-823-6502

Liberal Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Liberal Studies. The program is administered through the Office of Liberal and Interdisciplinary Studies in the Office of Undergraduate Studies and the Women's Studies Program in the College of Arts and Humanities.

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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 have declared a Liberal Studies major - Women's Studies track at least one semester before graduation.
- Internship credit cannot be used in this track without prior permission.
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies program. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students should consult with a Liberal Studies advisor when selecting the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. **UCF General Education Program** (36 hrs)
   - Communication Foundations 9 hrs
   - Cultural and Historical Foundations 9 hrs
   - Mathematical Foundations 6 hrs
      
     Select MGF 1106 Finite Mathematics (may substitute a higher level math)  
     Select STA 106C Statistics Using Excel or STA 2014C Principles of Statistics (may substitute a computer science or higher level statistics course)  
   - Social Foundations 6 hrs
   - 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

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

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**First Study Area (or select Women's Studies Cognate Area)**

**Womanist/Women of Color Area:** (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>WST 3460</td>
<td>Womanist Studies</td>
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</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America</td>
<td>3 hrs</td>
</tr>
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<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3662</td>
<td>Ethnic Literature in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>North American Indian Women Today</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**Second Study Area (or select Womenist/Women of Color Area)**

**Women's Studies Cognate Area:** (18 hrs)

Select 18 hours from the following courses:

- AML 3614 Topics in African-American Literature
- AML 3662 Ethnic Literature in America
- AML 3661 Literature of the South
- AML 3674 Peoples of the World
- CJC 4463 Cultural Diversity in Criminal Justice
- CJC 4681 Domestic Violence and the Justice System
- EUH 3242 Modern Europe and the First World War
- EUH 5937 Social Theory/History
- HSC 3593 CHIV Disease: A Human Concern
- LIT 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 3784 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 4734 Minority Aging
- THE 3230 Cultural Diversity Through Theater

Other courses may be utilized for this area with the permission of the director.

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*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.

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**2nd Study Area (from those below)**

See the Liberal Studies Advising Teams for details regarding each area:

- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computer Science
- Education
- Engineering
- Health and Biomedical Sciences
- Humanities
- Letters and Modern Languages
- Natural Sciences
- Public Affairs

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**4. Required Minor**

- (18 hrs)

- Students must complete the Women's Studies minor

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**5. Program Exit Requirements**

- A grade of "C" or above (2.0) is required for each course taken in each of the subject areas
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.

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 Liberal 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 hours

Related Programs: Liberal Studies - Liberal Studies track; Liberal Studies - Liberal Arts track
Related Minors: Anthropology in Multicultural Studies
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 Liberal Studies Advising Team. The student must provide all supporting information.

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)
   ECO 3401 Quantitative Business Tools I
   MAN 3301 Human Resource Management
   MAN 4240 Organizational Theory and Behavior
   MAN 4320 Recruitment and Selection
   MAN 4330 Compensation Administration
   MAN 4350 Training and Development
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective/BUL 4540 Employment Law

■ General Management Track (24 hrs)
   Required Courses (15 hrs)
   ISM 3530 Quality & Productivity Management
   MAN 41D1 Human Relations in Management
   MAN 4240 Organizational Theory & Behavior
   MAN 4600 International Management
   MAN 4701 Business Ethics and Society
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective/BUL 4540 Employment Law

■ Management Track: Entrepreneurship (24 hrs)
   Required Courses (15 hrs)
   MAN 3301 Human Resources Management
   MAN 4892 Entrepreneurship
   GEB 4117 Business Plan Preparation
   GEB 4117 New Venture Finance or FIN 3470 Small Business Finance
   MAR 3641 Market Intelligence or MAR 3880 E-Marketing
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective

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 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.

UCF Degree Programs

LIBERAL STUDIES ACCELERATED PROGRAM (B.A./B.S. and M.A./M.S.)
Accelerated Undergraduate/Graduate Program
Note: For detailed information about this program, see description in the “Accelerated Undergraduate/Graduate Programs” section of this Undergraduate Catalog.

MANAGEMENT (B.S.B.A.)
College of Business Administration
BA 2101, 407-823-2184
http://www.bus.ucf.edu

1. Admission Requirements
Completion of the UCF General Education program 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
      Required: SPC 1600
      9 hrs
   B. Cultural and Historical Foundations
      Select MAC 1105 College Algebra
      Select CGS 2100CC Computer Fundamentals for Bus
      Select ECP 2000 Microeconomics
      Select one: SYG 2000, ANT 2000
      3 hrs
   C. Mathematical Foundations
      Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit.
      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 2100CC 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.

3. Required for All Business Majors
Common Body of Knowledge
First or subsequent semester in the College of Business Administration:
GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
GEB 3506 Introduction to International Business 3 hrs
BUL 3130 Legal & Ethical Environments of Business 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs
MAN 3025 Management of Organizations 3 hrs
ISM 3011 Essentials of Management Information Systems 3 hrs
MAR 3023 Marketing 3 hrs

Last Semester:
MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
Students who change degree programs and select this major must adopt the most current catalog.
Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
Students wanting to major in 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)
   ECO 3401 Quantitative Business Tools I
   MAN 3301 Human Resource Management
   MAN 4240 Organizational Theory and Behavior
   MAN 4320 Recruitment and Selection
   MAN 4330 Compensation Administration
   MAN 4350 Training and Development
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective/BUL 4540 Employment Law

■ General Management Track (24 hrs)
   Required Courses (15 hrs)
   ISM 3530 Quality & Productivity Management
   MAN 41D1 Human Relations in Management
   MAN 4240 Organizational Theory & Behavior
   MAN 4600 International Management
   MAN 4701 Business Ethics and Society
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective/BUL 4540 Employment Law

■ Management Track: Entrepreneurship (24 hrs)
   Required Courses (15 hrs)
   MAN 3301 Human Resources Management
   MAN 4892 Entrepreneurship
   GEB 4117 Business Plan Preparation
   GEB 4117 New Venture Finance or FIN 3470 Small Business Finance
   MAR 3641 Market Intelligence or MAR 3880 E-Marketing
   Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
   MAN Elective
   MAN Elective
   MAN Elective

UCF Degree Programs
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 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)

8. Electives***

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include
  - Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
  - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
  - 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.
  - 3000 & 4000 level courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
  - Any student receiving a business degree must complete one half 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.

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT MAJORS

**MAN Elective 3**

**MAN Elective 3**

**MAN Elective 3**

**MAN Elective 3**

**MAN Elective 3**

Student should choose to major in one of the two areas of study below

GENERAL MANAGEMENT TRACK

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<tr>
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<tr>
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**MAN Elective 3**

**MAN 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

<table>
<thead>
<tr>
<th>Junior</th>
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<th>15 hrs</th>
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<td>MAN 3301</td>
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<td>ISM 3011</td>
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</table>

**MAN Elective 3**

**MAN Elective 3**

**MAN Elective 3**

**Students select three electives from among MAN courses and BUL 4540.**

**General electives as required to reach 120 semester hours.**

ENTREPRENEURSHIP TRACK

<table>
<thead>
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<th>Junior</th>
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<th>15 hrs</th>
<th>2nd Term</th>
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**MAN Elective 3**

**MAN Elective 3**

**MAN 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

Admission Requirements

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   - Communication Foundations
     - A. See Common Program Prerequisites
   - Prefer SPC 1600
   - B. Cultural and Historical Foundations (9 hrs)
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra
     - Select SPC 1600
   - D. Social Foundations
     - Select ECO 2313 Microeconomics or ECO 2033 Microeconomics
   - E. Science Foundation
     - Select: ECO 2313 Microeconomics or ECO 2033 Microeconomics

2. Common Program Prerequisites

<table>
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<td>3</td>
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   * "C" (2.0) or better grade required in each class
须完成 2.5 或更高。

ACG 2021 金融原理
ACG 2071 管理会计
ECO 2013 宏观经济学
ECO 2023 微观经济学
CGS 2100CC 业务计算机基础知识
*ECO 3401 计量业务工具 I

*在 UCF，完成 MAC 2233 和 STA 2023 的学生将被免除

从 ECO 3401。学生必须完成这两个课程中的一个，“C”(2.0) 或更好

3. 必须完成所有商业专业（30 学分）

一年级或随后学期在 College of Business Administration:
GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 学分
GEB 3356 Introduction to International Business 3 学分
BUL 3131 Legal & Ethical Environments of Business 3 学分
ECO 3411 Quantitative Business Tools II 3 学分
FIN 4303 Business Finance 3 学分
MAN 3025 Management of Organizations 3 学分
MAR 3023 Marketing 3 学分
ISM 3011 Essentials of Management Information Systems 3 学分

上学期:
MAN 4720 战略管理 3 学分

4. 专业学院或/或部门要求:

- 学生改变课程专业并选择该专业，必须采用最新的课程目录。

- 学生希望在管理信息系统专业进行专业课程学习，必须参加至少 2.5 学分的 Common Program Prerequisites。

- 期末考试将在期末考试期间进行。

- 任何收到商业学位的学生必须完成一半（30）的 60 个初级商业课程的合格课程。

- 所有课程要求的课程（包括选修课程）必须达到“C”(2.0) 或更好。

- 所有工业和管理信息系统专业的学生都期望能够使用现代计算机和软件。

- 学生必须参加系或学校的部门负责人。

- 学生们被鼓励在学期开始前参加系或学校的部门或学校。

- 学生们必须达到 2.0 GPA 在专业和 CB

- 只有“C”(2.0) 或更好的课程可以满足每个专业程序要求的课程。

5. 必需课程 (22 学分)

ISM 3253 信息管理 4 学分
ISM 4113 信息体系与设计 3 学分
ISM 4212D 数据库管理系统 3 学分
ISM 4220 分布式信息管理系统 3 学分
ISM 4300 信息技术管理 3 学分
ISM 4400 决策支持系统 3 学分

加上以下的课程 (6 学分)
ISM Elective 3

加上所有 3000 或 4000 级的 ISM 前缀课程。

6. 外语要求 (0-8 学分)

- 语言要求：两年学习一种外国语言，或参加四年必修课程考试（或同等程度）

- 毕业生：无

7. 本科及最小学分要求

- 2.0 UCF GPA
  - GED 和 CLEP 要有 60 学分的平均分
  - 前四年课程必须完成学分

- 一个在 UC 所有课程的 45 学分的课程的总和
MARKETING (B.S.B.A.)

College of Business Administration
BA 2101, 407-823-2184

http://www.bus.ucf.edu

Admission Requirements
- Completion of the UCF General Education Program 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
     - Required: SPC 1600
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra
     - Select CGS 2100CC Computer Fundamentals for Business
   - D. Social Foundations
     - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
     - 3 hrs
     - Select one: PSY 2012, SYG 2000, ANT 2000
     - 3 hrs
   - E. Science Foundation
     - 6 hrs

2. Common Program Prerequisites
   - Must be completed with a “C” (2.0) or better.
   - ACG 2011 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Macroeconomics
   - ECO 2023 Microeconomics
   - *ECO 3401 Quantitative Business Tools I
   - CGS 2100CC Computer Fundamentals for Business
   - *At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO3401.

3. Required for All Business Majors (30 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031 Cornerstone (Required in 1st or 2nd semester)
     - GEB 3166 Introduction to International Business
     - BUL 3130 Legal & Ethical Environments of Business
     - ECO 3411 Quantitative Business Tools II
     - FIN 3403 Business Finance
     - MAN 3025 Management of Organizations
     - ISM 3011 Essentials of Management Information Systems
     - MAR 3023 Marketing
   - Last Semester:
     - MAN 4720 Strategic Management

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 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.
   - Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. MAR 3023 is included in this requirement.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   - MAR 3391 Professional Selling
   - MAR 3503 Customer Behavior
   - MAR 3613 Marketing Analysis and Research
   - MAR 3641 Marketing Intelligence
   - MAR 4003 Marketing Management
   - MAR 4004 Marketing Strategy

6. Restricted Electives – General Marketing (9 hrs)
   - Minimum of 3 courses required
   - MAR 3323 Integrated Marketing Communication

7. Required Electives - Sales Track* (9 hrs)
   - MAR 3043 Sales Force Management
   - MAR 3392 Advanced Professional Selling
   - MAR 413 Sales and Marketing Internship

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 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

Majors who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941) and/or take the small business consulting class (MAR 5941). MAR 5941 cannot count as one of the three restricted electives required of marketing majors. For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department home page at: http://www.bus.ucf.edu/mar/.

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 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.
- 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.

- A minimum of 12 semester hours must be completed at UCF within each individual major.
- 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.

FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

Freshman

1st Term
ENC 1101* 3
Cull-Hist I* 3
SPC 1600 3
**Elective 3
***Elective 3

2nd Term
ENC 1102* 3
Cull-Hist II* 3
Art/Music/Lit 3
MAC 1105* 3
CGS 2100CC 3

15 hrs 15 hrs

Senior

1st Term
MAR 3023 3
GEB 3356 3
ECO 3411 3

2nd Term
MAR 3503 3
MAR 3391 3

15 hrs 15 hrs

Junior

* "C" (2.0) or better grade required in each class

1st Term
***Elective 3
Psy/Soc/Art 3

2nd Term
***Elective 3
Science 3
Science 3

15 hrs 15 hrs

Sophomore

1st Term
MAC 4803 3
MAC Elective 3
MAN 3025 3
ISM 3011 3
MAR 3641 3

2nd Term
MAC Elective 3
MAR 4804 3
MAN 4720 3

15 hrs 15 hrs

Freshman

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

Freshman

1st Term
ENC 1101* 3
Cull-Hist I* 3
SPC 1600 3
**Elective 3
***Elective 3

2nd Term
ENC 1102* 3
Cull-Hist II* 3
Art/Music/Lit 3
MAC 1105* 3
CGS 2100CC 3

15 hrs 15 hrs

Senior

1st Term
MAR 3023 3
GEB 3356 3
ECO 3411 3

2nd Term
MAR 3503 3
MAR 3391 3

15 hrs 15 hrs

Junior

* "C" (2.0) or better grade required in each class

1st Term
***Elective 3
Psy/Soc/Art 3

2nd Term
***Elective 3
Science 3
Science 3

15 hrs 15 hrs

Sophomore

1st Term
MAC 4803 3
MAC Elective 3
MAN 3025 3
ISM 3011 3
MAR 3641 3

2nd Term
MAC Elective 3
MAR 4804 3
MAN 4720 3

15 hrs 15 hrs

Freshman

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

Freshman

1st Term
ENC 1101* 3
Cull-Hist I* 3
SPC 1600 3
**Elective 3
***Elective 3

2nd Term
ENC 1102* 3
Cull-Hist II* 3
Art/Music/Lit 3
MAC 1105* 3
CGS 2100CC 3

15 hrs 15 hrs

Senior

1st Term
MAR 3023 3
GEB 3356 3
ECO 3411 3

2nd Term
MAR 3503 3
MAR 3391 3

15 hrs 15 hrs

Junior

* "C" (2.0) or better grade required in each class

1st Term
***Elective 3
Psy/Soc/Art 3

2nd Term
***Elective 3
Science 3
Science 3

15 hrs 15 hrs

Sophomore

1st Term
MAC 4803 3
MAC Elective 3
MAN 3025 3
ISM 3011 3
MAR 3641 3

2nd Term
MAC Elective 3
MAR 4804 3
MAN 4720 3

15 hrs 15 hrs

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 231F, 407-823-5700,
E-mail: martin@math.ucf.edu
The Department of Mathematics offers special courses for students in the Honors Program. These courses are with an H such as MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

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 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 BSC 2010C 4 hrs
  2. Select PHY 2048 & L 4 hrs

2. Common Program Prerequisites (11 hrs)
(CP 3223* Intro to Programming with C 3 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
BSC 2010C* Biology I GEP
PHY 2048 & L Physics for Sci & Eng I & Lab GEP
*See Transfer Notes for possible substitutes

3. Core requirements (52 hrs)
PHY 2049 & L Physics for Sci & Eng II & Lab 4 hrs
One course selected from
ENC 3241 Writing for Tech Professional
ENC 3310 Magazine Writing I
ENC 3311 Advanced Expository Writing
STA 2023 Statistical Methods I
MHF 3302 Logic and Proof in Mathematics
MAP 2302 Differential Equations 3 hrs
MAS 3105 Matrix & Linear Algebra 4 hrs
MAS 3106 Linear Algebra 4 hrs
Select one course 3 hrs
MAC 4203 Combinatorics & Graph Theory
MAP 4303 Vector and Tensor Analysis
MAP 4307 Appt of Complex Variables 3 hrs
MAP 4363 Appt Boundary Value Prob I 3 hrs
STA 4321 Statistical Theory I 3 hrs
MAP 4364 Appt Boundary Value Prob II 3 hrs
COP 3502C Computer Science II 3 hrs
STA 4322 Statistical Theory II 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
COT 4500 Numerical Calculus 3 hrs
MAP 4103 Mathematical Modeling 3 hrs

4. Restricted Electives (6 hrs)
a. Applied Elective 3 hrs
  Select from COT 4210, COT 4110, COT 5507, COT 5510, EGN 3310.
**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, and take an Educational Testing Service major field test.
- Computer Competency met by COP 2200

**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 must be 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:**
- 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
- BSC 2010C*; may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if CLEP was completed before transferring.
- PHY 2048*: may use any PHY course with a lab. However PHY 2048 is a prerequisite for PHY 2049 and must be taken

**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**
- Math placement See catalog 0

**Freshman Year**
- **Fall**
  - ANT 2000* req# 1D2-GEP 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 2311 Calc Anal Geo I 4 hrs
  - STA 2023 Stat Methods I 3 hrs
  - PHY 2048 Phy for Eng Sci I 3 hrs
- **Spring**
  - BSC 2010C Biology I 4 hrs
  - ENC 1102 Composition II 3 hrs
  - MAC 2312 Calc Anal Geo II 4 hrs
  - MHF 3302 Logic and in Math 3 hrs

**Sophomore Year**
- **Fall**
  - COM 1000* req# 1A3-GEP 3 hrs
  - PHY 2048 Phy for Eng Sci I 3 hrs
- **Spring**
  - POS 2041* req# 1D1-GEP 3 hrs
  - MAP 2302 Diff Equations 3 hrs

**Junior Year**
- **Fall**
  - AMH 2010* req# 1B1-GEP 3 hrs
  - COP 3502C Computer Science I 3 hrs
  - MAC 2311 Calculus with Analytic Geo I 3 hrs
  - STA 2023 Statistical Methods I 3 hrs
- **Spring**
  - COP 3502C Computer Science I 3 hrs
  - MAP 2302 Differential Equations 3 hrs

**Senior Year**
- **Fall**
  - ARH 2050* req# 1B3-GEP 3 hrs
  - COT 4500 Numerical Calculus 3 hrs
  - MAA 4226 Adv Calculus I 4 hrs
  - STA 4321 Stat Theory I 4 hrs
- **Spring**
  - ENC 3241* req# 3-Core 3 hrs
  - STA 4322 Stat Theory II 3 hrs
  - MAP 4103 Math Modeling I 3 hrs

**MATHEMATICS - 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 231F, 407-823-5700, E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are designed with an H such as 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 + 3 hrs)
   (Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36)
   - A. Communication Foundations 9 hrs
   - 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 BSC 2010C 4 hrs
     2. Select PHY 2048 & L 4 hrs

2. **Common Program Prerequisites**
   (11 hrs)
   **See Transfer Notes for possible substitutes**
   - 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
   - BSC 2010C* Biology I GEP
   - PHY 2048&L Physics for Sci & Eng I w/lab

3. **Basic Core Requirements**
   (10 hrs)
   - COP 3502C Computer Science I GEP
   - PHY 2049&L Physics for Sci & Eng II w/lab
   - 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
MATHMATICS -
ENGINEERING/PHYSICS TRACK (B.S.)

College of Sciences, Department of Mathematics

MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@ucf.edu

H. Martin, MAP 2311F, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students
in the Honors Program. These courses are designated with an H
such as 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) and 2 (Common Program Prerequisites)
  are usually completed in the first 60 hours.

1. UCF General Education Program (36 + 3 hrs)

(Might: Certain courses must be selected in the GEP for this major which brings the
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 BSC 2010C 4 hrs
   2. Select PHY 2048 & L 4 hrs

2. Common Program Prerequisites (11 hrs)

*See Transfer Notes for possible substitutes

3. Basic Core Requirements (10 hrs)

Select one course

MAP 2302 Differential Equations 3 hrs
STA 3023 Statistical Methods I 3 hrs

4. Advanced Core Requirements (53 hrs)

Select one course

HMH 3302 Logic and Proof in Mathematics 3 hrs
COT 3100C Intro to Discrete Structures 3 hrs

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 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.
- BSC 2101C*: may use any laboratory BSC or CHM lab course
  which is designed for majors, or CHM 2045C if GEP was com-
  pleted before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY
  2048 is a prerequisite for PHY 2049 which must be taken.

Transfer Notes:

- Courses must be approved by the Department of Mathematics.
- A maximum 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 hours

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
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:

- COP 3223*: may use any programming language course with a
  COP prefix.
- BSC 2101C*: may use any laboratory BSC or CHM lab course
  which is designed for majors, or CHM 2045C if GEP was com-
  pleted before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY
  2048 is a prerequisite for PHY 2049 which must be taken.

Transfer Notes:

- Courses must be approved by the Department of Mathematics.
- A maximum 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 hours

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
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:

- COP 3223*: may use any programming language course with a
  COP prefix.
- BSC 2101C*: may use any laboratory BSC or CHM lab course
  which is designed for majors, or CHM 2045C if GEP was com-
  pleted before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY
  2048 is a prerequisite for PHY 2049 which must be taken.

Transfer Notes:

- Courses must be approved by the Department of Mathematics.
- A maximum 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 hours

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
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:

- COP 3223*: may use any programming language course with a
  COP prefix.
- BSC 2101C*: may use any laboratory BSC or CHM lab course
  which is designed for majors, or CHM 2045C if GEP was com-
  pleted before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY
  2048 is a prerequisite for PHY 2049 which must be taken.

Transfer Notes:

- Courses must be approved by the Department of Mathematics.
- A maximum 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 hours

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
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:

- COP 3223*: may use any programming language course with a
  COP prefix.
- BSC 2101C*: may use any laboratory BSC or CHM lab course
  which is designed for majors, or CHM 2045C if GEP was com-
  pleted before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY
  2048 is a prerequisite for PHY 2049 which must be taken.

Transfer Notes:

- Courses must be approved by the Department of Mathematics.
- A maximum of 45 hours of extension, correspondence, CLEP,
  Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the
  CLAST, and nine hours of Summer credit (if applicable)
UCF Degree Programs

Select one course
- EGN 3310 Engineering Analysis - Statics 3 hrs
- PHY 3220 Mechanics I

Select one course
- EGN 3373 Principles of Electrical Engineering 3 hrs
- PHY 3101 Physics for Eng & Sci III

Select one course
- CHM 2046 Chemistry Fundamentals II 3 hrs
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select one course
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
- PHY 3513 Thermal & Statistical Physics
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select one course
- EML 3701 Fluid Mechanics 3 hrs
- CWR 3201 Engineering Fluid Mechanics
- PHY 3101 Physics for Eng & Sci III
(PHY 3101 may be selected only if EGN3373 is also taken)
- EIN 4628C Industrial 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
- EGN 3331 Mechanics of Materials 3 hrs
- 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
- CES 4100C Structural Analysis I 3 hrs
- EGN 3331 Mechanics of Materials
- EIN 3000 Intro. to Indust. Eng. & Mgmt Sys
- EAS 3101 Aerodynamics I
- EGM 3601 Solid Mechanics
- EEL 3004 Electrical Networks
or any PHY, PHZ, AST, MAD, MAD, MAP, or MAS course at 3000 level or above

5. Restricted Electives (6 hrs)
Select two courses
- STA 4321 Statistical Theory I
- STA 4322 Statistical Theory II
- PHY 3323 Electricity & Magnetism I
- PHY 4324 Electricity & Magnetism II
- EGN 3365 Structure & Property of Materials
- EGN 3613 Engineering Economic Analysis
- EGN 3704 Engineering & the Environmental
- EEL 3342C Intro. to Digital Circuits and Systems
- EEL 3801C Intro. to Computer Engineering
- EEL 3857 Linear Control Systems
- EML 4142 Heat Transfer
- EML 4312C Feedback Control
- EML 3252 Kinematics and Mechanisms
- EAS 4200 Flight Structures
- EAS 4400 Spacecraft Attitude Dynamics
- EAS 4505 Orbital Mechanics
- EAS 4105 Flight Mechanics
- EML 4703 Fluid Mechanics II
- EMA 4223 Deformation and Fracture of Materials
- CWR 4203C Hydraulics
- CWR 4101C Hydrology
- ENV 4561 Environmental Eng Processes & Design
- ESI 4234 Quality Engineering
- ESI 4523C Systems Simulation
- EIN 4333C Industrial Control Systems
- EEL 3470 Electromagnetic Fields
- EEL 3552C Analog & Digital Communication Fund
- EEL 4750 Digital Signal Processing Fund.
- EEL 4767C Computer System Design I
- EEL 4832 Eng. Applications of Computer Models
- EEL 4851C Engineering Data Structures
or any MAA, MAD, MAP, or MAS course at 3000 level or above

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, and take an Educational Testing Service major field test.
- Computer Competency met by EGN 3420 or COP 3502C.

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 when possible.

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 hours

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics

Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

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:
- COP 3223*: may use any programming language course with a COP prefix.
- BSC 2010C*: may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if GEP was completed before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY 2048 is a prerequisite for PHY 2049 which must be taken.

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
H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are designated with an H such as 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 + 3 hrs)
(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36)

A. Communication Foundations
- 9 hrs
B. Cultural and Historical Foundations
- 9 hrs
C. Mathematical Foundations
- 1. Select MAC 2311
- 4 hrs
courses taken at community colleges do not substitute for upper

transfer notes:

statistics

related minors:

computer science, engineering, math, physics, statistics

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:

- cop 3223*: may use any programming course with a cop pre-
fix.
- bsc 2040*: may use any laboratory bsc or chm lab course
which is designed for majors, or chm 2045c if gep was com-
pleted before transferring.
- phy 2048*: may use any phy course with a lab. however phy
2048 is a prerequisite for phy 2049 and must be taken

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

math placement see catalog

freshman year

fall

- ant 2000* req# 1d-gep 3
- bsc 2010c biology 1 4
- enc 1101 composition i 3
- enc 1102 composition ii 3
- mac 2311 calc anal geo i 4
- mac 2312 calc anal geo ii 4
- sta 2023 stat methods i 3
- mfh 3302 logic and in math 3

spring

- com 1000* req# 1a3-gep 3
- phy 2049 phy for eng sci i 3
- phy 2048l phy l eng sci i 1
- phy 2049l phy l eng sci ii 1

Sophomore Year

fall

- cop 3223 intro to prog c 3
- map 4302 intro to topology 3
- map 4307 appl to complex variables 3

spring

- mac 2313 calc anal geo iii 4
- math 3105 matrix and lin alg 4
- phy 2049l phy l eng sci ii 1

junior year

fall

- cop 3223 intro to prog c 3
- map 4302 intro to topology 3

spring

- mac 2313 calc anal geo iii 4
- math 3105 matrix and lin alg 4

Senior Year

fall

- amh 2010* req# 1b1-gep 3
- enc 3241* req# 3-core 3
- maa 4227 adv calculus ii 3

spring

- arh 2050* req# 1b3-gep 3
- enc 3241* req# 3-core 3
- maa 4227 adv calculus ii 3

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.

mathematics education (b.s.)

college of education

department of teaching and learning principles

ed 209; http://pegasus.cc.ucf.edu/~mathed

program coordinator: dr. michael hynes

ed 123-k, 407-823-2005

e-mail: hynes@mail.ucf.edu

admission requirements:

- complete the university general education requirements or its
equivalent, i.e. an aa degree from an approved florida commu-
nity 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 prerequisite courses

degree requirements:

- students should see an advisor prior to registering for classes
- the courses designated in 1. (general education) and 2.
(common program prerequisites) should be completed in the
first 60 hours.

1. ucf general education program (37 hrs)

a. communication foundations (9 hrs)
UCF Degree Programs

ENC 1101 Composition I 3 hrs  
ENC 1102 Composition II 3 hrs  
Select SPC 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations (9 hrs)  
Select AMH 2010 U.S. History 1492-1877 3 hrs  
Select AMH 2020 U.S. History 1877-Present 3 hrs  
Select PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations (7 hrs)  
Select MAC 2311 Calculus with Analytic Geometry I 4 hrs  
Select STA 2023 Statistical Methods I 3 hrs

D. Social Foundations (6 hrs)  
Prefer POS 2401 American National Government 3 hrs  
Select PSY 212 General Psychology 3 hrs

E. Science Foundations (6 hrs)  
Prefer PSC 1121 Physical Science 3 hrs  
Select one: 3 hrs

G. Diversity Courses GEP  
Select one: 3 hrs

H. Other Program Prerequisites (4 hrs)  
Select one: 3 hrs

1. Core Prerequisites (15 hrs)  

2. Common Program Prerequisites (24 hrs)  
A. Communications (9 hrs)  
ENC 1101 Composition I GEP  
ENC 1102 Composition II GEP  
SPC 1000 Fundamentals of Oral Communication GEP

B. Humanities (6 hrs)  
PHI 2010 Introduction to Philosophy GEP

C. Mathematics (11 hrs)  
MAC 2311 Calculus with Analytic Geometry I GEP  
MAC 2312 Calculus with Analytic Geometry II 4 hrs  
STA 2023 Statistical Methods I GEP

D. Social Science/History (12 hrs)  
AMH 2010 U.S. History 1492-1877 GEP  
AMH 2020 U.S. History 1877-Present GEP  
POS 2401 American National Government GEP  
PSY 212 General Psychology GEP

E. Science (10 hrs)  
PSC 1121 Physical Science GEP  
Select one of the following (per GEP) GEP  
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

3. Education Core Requirements (15 hrs)  
EDG 4202 Professional Teaching Practices 3 hrs  
EDG 4203 Analysis of Critical Issues in Education 3 hrs  
EDF 4214 Classroom Learning Principles 3 hrs  
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs  
LAE 4361 Literacy Strategies for Mid/High School 3 hrs

4. Internship I (ESE3940) (3 hrs)  
Program Internship Prerequisites: EDG 4323 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” in all of these prerequisite courses

5. Specialization Requirements (37 hrs)  
NOTE: Some course waivers/substitutions may be possible. See advisor.
MAP 2902 Differential Equations 3 hrs  
MAP 4103 Mathematical Modeling 3 hrs

6. Internship II (ESE4943) (12 hrs)  
At least 80% of all required mathematics courses and all methods courses must be completed before doing Internship II

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

10. Total Program Semester Hours Required: 128 hours

At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

11. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (17 hrs)  
EDG 2701 3 hrs  
ENC 1101 3 hrs  
MAC 2311 4 hrs  
PSC 1121 3 hrs  
ASC 1600 3 hrs  
Select one: 3 hrs

Sophomore Year
Fall (15 hrs)  
EDG 2701 3 hrs  
ENC 1101 3 hrs  
MAC 2311 4 hrs  
PSC 1121 3 hrs  
ASC 1600 3 hrs  
Select one: 3 hrs

Senior Year
Fall (17 hrs)  
AMH 2010 3 hrs  
MAC 2313 4 hrs  
PAE 1105 3 hrs  
Select one: 3 hrs

Spring (16 hrs)  
AMH 2020 3 hrs  
MAC 2311 4 hrs  
PSC 1121 3 hrs  
PSC 1121L 1 hr  
Select one: 3 hrs

University Minimum Exit Requirements  
A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 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)
Junior Year

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<th>Fall</th>
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<tr>
<td>EDF 4603</td>
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<td>EDF 4214</td>
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<td>EDG 4232</td>
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<td>MAE 4534</td>
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<td>MAE 4360</td>
<td>4 hrs</td>
<td>MAP 4103</td>
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<td>MUF 4404</td>
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<td>MTG 4212</td>
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<td>TSL 4080</td>
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Senior Year

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<tr>
<td>ESE 3940</td>
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<td>ESE 4943</td>
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<td>LAE 4361</td>
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<td>MAD 4203</td>
<td>4 hrs</td>
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<tr>
<td>MAS 4301</td>
<td>3 hrs</td>
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</tbody>
</table>

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

Undergraduate Advisor: Waheeda Illasari

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes; see also the section, Orientation, found elsewhere in this catalog.

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 this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program.

Prerequisites before transferring:

A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations 9 hrs
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300,
   PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations 7 hrs
1. Select MAC 2311, (PR: MAC 1114)
2. Select STA 3032 (PR: MAC 2312).

D. Social Foundations 6 hrs
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations 7 hrs
1. Select PHY 2048/48L (PR: MAC 2312)
2. Select PHYSICS 2080, 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. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440 Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) 4 hrs
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I GEP
PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
Humanities Courses GEP
Social Science Courses GEP
Humanities or Social Sciences GEP

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 4. below.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1111C Engineering Computer Graphics 2 hrs
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
EML 3034C Modeling Methods in MMAE 3 hrs
EML 3303C Mechanical Engring Measurements 3 hrs
EML 4312C Feedback Control 2 hrs
EML 3900 Machine Design & Analysis 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4220 Vibration Analysis 3 hrs
EML 4535C Introduction to CAD/CAM 3 hrs

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
Restricted Mechanical Systems Elective 3 hrs
Approved Electives 9 hrs

b. Mechanical Systems Option
EMA 3022C Experimental Techniques in Mechanics & Materials 2 hrs
EMA 3262 Kinematics of Mechanisms 3 hrs
EMA 3804C Digital Control in Mechatronics 3 hrs
Restricted Energy Systems Elective 3 hrs
Approved Electives 9 hrs

c. Materials Option
EMA 3021C Experimental Techniques in Mechanics & Materials 2 hrs
EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
EMA 3124 Design and Selection of Materials 3 hrs
Restricted Materials Systems Elective 3 hrs
Approved Electives 9 hrs

4. Departmental Graduation Requirements (6 hrs)

EML 4501C Engineering Design I or EGN 4412C Interdisciplinary Design I 3 hrs
EML 4502C Engineering Design II or EGN 4413C Interdisciplinary Design II 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year. 

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: none

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 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).
**UCF Degree Programs**

### Total Semester Hours Required:

- **128 hrs**

### Related Programs:
- Aerospace Engineering, Industrial Engineering.
- Engineering Leadership & Management.

### Transfer Notes:
- 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 with his/her petition for this evaluation.

### EGN 1006C and EGN 1007C

- 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.

### 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

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<tr>
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<th>Fall</th>
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<tr>
<td>FIRST YEAR</td>
<td>EGN 1006C Intro to Eng Prof 1</td>
<td>EGN 1007C Eng Conc&amp;Meth 1</td>
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<td>*ENC 1101 English Comp I 3</td>
<td>*MAC 2312 Comp II 4</td>
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<td>*CHS 1440 Chin Eng or 4</td>
<td>*MAC 2312 Calc II 4</td>
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<td>*CHM 2045C w/lab 4</td>
<td>*SPC 1016 Oral Comm for Eng or 3</td>
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<td>*MAC 2311 Calc I 4</td>
<td>*PHY 2048 Phys Eng I w/lab 4</td>
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<td>*ECO 2013 or 2023 Macro or Micro 3</td>
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<tbody>
<tr>
<td>SECOND YEAR</td>
<td>EGN 1111C Engr Comp Graph 2</td>
<td>EGN 3321 Eng Anal-Dynamics 3</td>
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<td>*MAP 2302 Diff Equations 3</td>
<td>EGN 3365 Strpr &amp; Prop Mats 3</td>
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<td>EGN 3310 Engr Anal-Statics 3</td>
<td>EGN 3343 Thermodynamics 3</td>
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<td>*PHY 2049 Phys Eng II w/lab 4</td>
<td>EGN 3693 Solid Mechanics 3</td>
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<td>STA 2032 Prob &amp; Stats/Engs 3</td>
<td>EGN 3373 Prin of Elec Engr 3</td>
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<td>THIRD YEAR</td>
<td>EML 3500 Machine Design 3</td>
<td>EML 4220 Vibration Analysis 3</td>
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<td>EML 3701 Fluid Mechanics I 3</td>
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<td>EML 300C Modeling Methods 3</td>
<td>EML 4142 Heat Transfer 3</td>
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<td>EML 3303C Mech Eng Meas 2</td>
<td>EML 4535C CAD/CAM 3</td>
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<tr>
<td>III. MATERIALS OPTION</td>
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<td>EML 4502C Eng Design II or 3</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 GEP elsewhere in this catalog for further information.

2. Students should consult the MMAE website (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 this catalog.

**Important Notice**

- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan 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 do not have a higher level programming language background you must take a course in this area prior to taking EML 3034C (C” or FORTRAN recommended).

- 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.

**Accelerated BS/MS Degree Program**

The Mechanical, Materials, and Aerospace Engineering Department offers the Integrated Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve graduate hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

**MEDICAL LABORATORY SCIENCES (B.S.)**

Burnett College of Biomedical Sciences

HPA2 335, 407-823-5932

http://www.biomed.ucf.edu

Undergraduate Program Director: Dori lyn 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 science program.

- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Preference will be given to those who apply prior to March 1, but applications will be accepted until the class is filled.

- UCF application must also be submitted by the program deadline. 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**

- 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 60663) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.

- 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
UCF Degree Programs

Prerequisite Requirements before transferring within the Florida Public University/Community College System

- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to continuation in, and graduation from the Medical Laboratory Sciences Program.

- UCF Residency Requirement: 32 hours
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (36 + 2 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6
     - Select MAC 1105
     - 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 (25 hrs)
   - 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

3. Core Requirements (63 hrs)
   - MLS 3200C 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 4330 Infectious Diseases 5 hrs
   - MLS 3305C 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 Pathogenetic Microbiology 5 hrs
   - MLS 4334 Hemostasis 3 hrs
   - MLS 4933 Medical Technology Seminar 1 hrs
   - MLS 3775 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 2100C 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 minimum 2.5 overall GPA is required for clinical assignment.
   - The Degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.
   - Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to write 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: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 126 hrs

Related Programs: Molecular Biology and Microbiology, Biology, Chemistry

Related Minors: Molecular Biology and Microbiology, Biology, Chemistry

Transfer Notes:
- Community College Equivalencies
  - Human Anatomy and Physiology I & II
  - General Microbiology/Lab (MCB 3020C) 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.

Tentative Course Schedule for Entering Freshmen

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<td>CHE 2210</td>
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MODERN LANGUAGE COMBINATION (B.A.)

College of Arts and Humanities
Department of Modern Languages & Literatures,
SNH 523
http://pegasus.cc.ucf.edu/~forlang
E-mail: modernlanguages@ucf.edu
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.

### 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 student 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 (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.

#### 3. Core requirements-first language (24 hrs)

(French, German or Spanish)

- a. Composition (select one) 3 hrs
  - SPN 3420* Spanish Composition
  - FRE 4422* Advanced 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 4421* Adv German Oral Communication
  - SPN 4410* Adv Spanish Oral Communication
  - FRE 4422* Advanced French Conversation
  - GER 4423* 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
  - SWP 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
  - FOL 3730 Romance Philology
  - GER 3790 German Phonetics and Diction
  - SPH 4801 Spanish Morphosyntax
  - SPH 4800 Spanish American Syntax
  - SPH 4790 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

#### 5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or higher in at least 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam
- Computer Competency met by CGS 1060C or equivalent

#### 6. Foreign Language Requirements (0-16 hrs)

- Admission: Met by Graduation requirements.
- Graduation: Met by degree program requirements (four semesters or proficiency).

#### 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
- A maximum 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

### Related Minors: French, German, Italian, Judaic Studies, Latin American 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.

### Suggested Plan of Study:

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

#### Freshman Year

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<td>3</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>SPW 3100* req# 3d-Core1</td>
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<tr>
<td>SPN 3780* req# 3d-Core1</td>
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<tr>
<td>SPN 3780* req# 3d-Core1</td>
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<td>FRW 3100* req# 4c-Core2</td>
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<tr>
<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
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</tbody>
</table>
1. UCF General Education Program (38-39 hrs)  
(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations  
Select ENC 1101, ENC 1102 6 hrs  
Select SPC 1016 Tech Presentations 3 hrs  
Select ENC 1101, ENC 1102 6 hrs

B. Cultural Historical Foundations  
Select MAC 2311 or MAC 2253 3-4 hrs  
Select STA 2023 or CGS 1060 3 hrs  
Select ENC 1101 or ENC 1102 6 hrs  
Select CHM 2045C 4 hrs  
Select BSC 2010C 4 hrs

C. Mathematical Foundations  
Select CHM 2210L 2 hrs  
Select MAC 2311 or MAC 2253 3-4 hrs  
Select STA 2023 or CGS 1060 3 hrs  
Select MAC 2311 or MAC 2253 3-4 hrs  
Select STA 2023 or CGS 1060C 3 hrs

D. Social Foundations  
Select BSC 2010C 4 hrs  
Select CHM 2044C 4 hrs

E. Science Foundations  
Select BSC 2010C 4 hrs  
Select CHM 2044C 4 hrs

2. Common Program Prerequisites (16 hrs)  
BSC 2010C Biology I GEP  
BSC 2011C Biology II 4 hrs  
CHM 2045C, 2046, 2046L General Chemistry I, II, + Lab GEP, 4 hrs  
CHM 2210L, 2211, 2211L Organic Chemistry I, II, + Lab 8 hrs  
MAC 2311 Calculus with Analytical Geometry I GEP

3. Core Requirements (33 hrs)  
Life Sciences  
MCB 3020C General Microbiology 5 hrs  
MCB 4414 Microbial Metabolism 3 hrs  
PCB 4239, 3233L Molecular Immunology + Immunology Lab 4 hrs  
PCB 3522, 4524 Molecular Biology I, II 6 hrs  
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry  
BCH 4053 Organic Chemistry I 3 hrs

Physics**  
PHY 2053C, 2054C College Physics I, II 8 hrs  
or 2048, 2049C

Math**, Statistics, Computer  
MAC 2311 or MAC 2253 4 hrs  
MAC 4114C Microbial Systematics and Diagnostics 4 hrs

** Those students interested in pursuing graduate or professional education are strongly advised to select the following courses.  
* Those students interested in pursuing graduate or professional education are strongly advised to select the following courses.

3. Core Requirements (33 hrs)  
Life Sciences  
MCB 3020C General Microbiology 5 hrs  
MCB 4414 Microbial Metabolism 3 hrs  
PCB 4239, 3233L Molecular Immunology + Immunology Lab 4 hrs  
PCB 3522, 4524 Molecular Biology I, II 6 hrs  
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry  
BCH 4053 Organic Chemistry I 3 hrs

Physics**  
PHY 2053C, 2054C College Physics I, II 8 hrs  
or 2048, 2049C

Math**, Statistics, Computer  
MAC 2311 or MAC 2253 4 hrs  
MAC 4114C Microbial Systematics and Diagnostics 4 hrs

** Those students interested in pursuing graduate or professional education are strongly advised to select the following courses.  
* Those students interested in pursuing graduate or professional education are strongly advised to select the following courses.

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 I 3 hrs  
*BCH 4103L Biochemistry II 2 hrs  
*MCB 3203, 3203L Pathogenic Microbiology + Lab 4 hrs  
MCB 4114C Microbial Systematics and Diagnostics 4 hrs  
*PCB 3063 Genetics 3 hrs  
*MCB 4312 Molecular Biotechnology 3 hrs  
MCB 4505C Virology 3 hrs  
MCB 4603 Environmental Microbiology 3 hrs  
MCB 4970H Honors Thesis 3 hrs  
*MCB 5205 Infectious Process 3 hrs  
*MCB 5225 Molecular Biology of Disease 3 hrs  
MCB 5932 Current Topics in Molecular Biology 3 hrs  
MCB 5654A Applied Microbiology 3 hrs  
MLS 3220C Clinical Microscopy with lab 3 hrs  
*MLS 3305 Respiratory Physiology 3 hrs  
*MLS 4334 Hemostasis 3 hrs  
*MLS 4435C Clinical Parasitology 2 hrs  
*MLS 4505C Immunodiagnostics 3 hrs  
MLS 4625 Advanced Clinical Chemistry I 3 hrs  
MLS 4630 Advanced Clinical Chemistry II 3 hrs  
*PCB 3703C Human Physiology 3 hrs  
*PCB 4805 Endocrinology 3 hrs  
PCB 4923 Experimental Molecular Biology 3 hrs  
PCB 5275 Signal Transduction Mechanisms 3 hrs  
PCB 528A Immunobiology 4 hrs  
PCB 5329 Tumor Biology 3 hrs  
PCB 4XX Genetics II 3 hrs  
ZOO 3701C Human Gross Anatomy 3 hrs  
ZOO 3733C Human Anatomy 4 hrs  
ZOO 4603C Vertebrate Embryology 5 hrs  
ZOO 3744 Neurobiology 3 hrs  
ZOO 4704C Clinical Neuroanatomy & Neuroscience 4 hrs  
ZOO 4753C Vertebrate Histology 4 hrs  
ZOO 5745C Essentials of Neuroanatomy 4 hrs  
ZOO 4XXX Human Clinical Embryology 3 hrs

NOTE: Certain courses must be selected in GEP for this major, bringing the total course work to more than 36 hrs.

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 I 3 hrs  
*BCH 4103L Biochemistry II 2 hrs  
*MCB 3203, 3203L Pathogenic Microbiology + Lab 4 hrs  
MCB 4114C Microbial Systematics and Diagnostics 4 hrs  
*PCB 3063 Genetics 3 hrs  
*MCB 4312 Molecular Biotechnology 3 hrs  
MCB 4505C Virology 3 hrs  
MCB 4603 Environmental Microbiology 3 hrs  
MCB 4970H Honors Thesis 3 hrs  
*MCB 5205 Infectious Process 3 hrs  
*MCB 5225 Molecular Biology of Disease 3 hrs  
MCB 5932 Current Topics in Molecular Biology 3 hrs  
MCB 5654A Applied Microbiology 3 hrs  
MLS 3220C Clinical Microscopy with lab 3 hrs  
*MLS 3305 Respiratory Physiology 3 hrs  
*MLS 4334 Hemostasis 3 hrs  
*MLS 4435C Clinical Parasitology 2 hrs  
*MLS 4505C Immunodiagnostics 3 hrs  
MLS 4625 Advanced Clinical Chemistry I 3 hrs  
MLS 4630 Advanced Clinical Chemistry II 3 hrs  
*PCB 3703C Human Physiology 3 hrs  
*PCB 4805 Endocrinology 3 hrs  
PCB 4923 Experimental Molecular Biology 3 hrs  
PCB 5275 Signal Transduction Mechanisms 3 hrs  
PCB 528A Immunobiology 4 hrs  
PCB 5329 Tumor Biology 3 hrs  
PCB 4XX Genetics II 3 hrs  
ZOO 3701C Human Gross Anatomy 3 hrs  
ZOO 3733C Human Anatomy 4 hrs  
ZOO 4603C Vertebrate Embryology 5 hrs  
ZOO 3744 Neurobiology 3 hrs  
ZOO 4704C Clinical Neuroanatomy & Neuroscience 4 hrs  
ZOO 4753C Vertebrate Histology 4 hrs  
ZOO 5745C Essentials of Neuroanatomy 4 hrs  
ZOO 4XXX Human Clinical Embryology 3 hrs

5. Departmental Exit Requirements (81-91 hrs)  
To be eligible for a major in Molecular Biology and Microbiology:  
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 Core and Restricted Electives  
B. Independent study, directed research, or similar credit may not be used as a Restricted Elective  
C. A minimum of 20 hours must be taken at UCF in the department of the major  
D. Students will be required to pass a comprehensive test during their last semester

6. Electives (variable)  
Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

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. A 2.0 UCF GPA  
B. 48 semester hours of upper division credit completed  
C. 30 of the last 36 hours of course work must be completed in residency at UCF  
D. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
E. 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, Medical Lab Science

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 com-
Honors in the Major
- Application and admission through the department and THC
- 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)

Tentative Course Schedule for Entering Freshmen

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>CHM 2046</td>
</tr>
<tr>
<td>or ANT 2000</td>
<td>CHM 2046L</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>MAC 1114</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>BSC 2010C</td>
</tr>
<tr>
<td></td>
<td>SLS 2311C*</td>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>CHM 2211</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>CHM 2211L</td>
</tr>
<tr>
<td>MAC 2311* or MAC 2253</td>
<td>STAT 2023</td>
</tr>
<tr>
<td>EUH 2000 or AMH 2010</td>
<td>or CGS 1060C</td>
</tr>
<tr>
<td>or WOH 2012 or HUM 2210</td>
<td>BSC 3403</td>
</tr>
<tr>
<td></td>
<td>EUH 2001</td>
</tr>
<tr>
<td></td>
<td>or AMH 2020</td>
</tr>
<tr>
<td></td>
<td>or HUM 2230 or WHO 2022</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>PCB 3522</td>
<td>PCB 4524</td>
</tr>
<tr>
<td>Restrictive Elective 3</td>
<td>PCB 4239 &amp; PCB 3233L4</td>
</tr>
<tr>
<td>PHY 2053C or PHY 2048* and 2048L</td>
<td>PHY 2045C*</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>PHY 2040, 2049L</td>
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<tr>
<td>ECO 2013 or POS 2041</td>
<td>Restricted Elective 2</td>
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</table>

**Senior Year**

<table>
<thead>
<tr>
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<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4414</td>
<td>Restricted Elective 3/4</td>
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<tr>
<td>Restricted elective 3</td>
<td>Restricted Elective 3/4</td>
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<tr>
<td>Restricted elective 3/4</td>
<td>SPC 1016*</td>
</tr>
<tr>
<td>A course from Cultural and Historical Foundations Group</td>
<td>*recommended SPC 1016</td>
</tr>
</tbody>
</table>

**Molecular Biology and Microbiology-Preprofessional Concentration (B.S.)**

Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P.E. Kolattukudy

Students desiring admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

**Admission Requirements**

**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 Prehealth Professions Advisement Office in HPA2 0124.
- 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 (38-39 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 1016 Tech Presentations
   - B. Cultural Historical Foundations
     Select STA 2023 or CGS 1060C
   - C. Mathematical Foundations
     Select STA 2023 or CGS 1060C
   - D. Social Foundations
     Select STA 2023 or CGS 1060C
   - E. Science Foundations
     Select STA 2023 or CGS 1060C
     **Those students interested in pursuing graduate or professional education are encouraged to select the following courses.**
     - Physics
       PCB 3020C Molecular Biology
       PCB 4414 Microbial Metabolism
       PCB 4239, 3233L Molecular Immunology + Immunology Lab
       PCB 3522, 4524 Molecular Biology I, II
       PCB 4040C Quantitative Biological Methods
       SLS 2311C Selected Medical Careers
     - Chemistry
       BCH 4053 Biochemistry I
       PHY 2053C, 2054C College Physics I, II
       or 2048, 2049C
     - Math**, Statistics, Computer
       MAC 2311 or MAC 2253
       STA 2023 or CGS 1060C
       **Those students interested in pursuing graduate or professional education are encouraged to select the following courses.**
       - Calculus
         SLS 2311C Calculus with Analytical Geometry I & II (MAC 2311, 2312)

2. Common Program Prerequisites (16 hrs)
   - BSC 2010C Biology I
   - BSC 2011C Biology II
   - MCB 2045C, 2046, General Chemistry I, II, + Lab
   - BCH 4053 Biochemistry I
   - PHY 2053C, 2054C College Physics I, II

3. Core Requirements (35 hrs)
   - Life Sciences
     MCB 2020C General Microbiology
     PCB 4414 Microbial Metabolism
     PCB 4239, 3233L Molecular Immunology + Immunology Lab
     PCB 3522, 4524 Molecular Biology I, II
     SLS 2311C Selected Medical Careers
   - Chemistry
     BCH 4053 Biochemistry I
     PHY 2053C, 2054C College Physics I, II
     or 2048, 2049C
   - Math**, Statistics, Computer
     MAC 2311 or MAC 2253
     STA 2023 or CGS 1060C
     **Those students interested in pursuing graduate or professional education are encouraged to select the following courses.**
     - Calculus
       SLS 2311C Calculus with Analytical Geometry I & II (MAC 2311, 2312)

4. Upper Division Restricted Electives (19 hrs min) (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 these hours 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 3020, 3020L Biochemistry + Lab
     - MCB 3063 Genetics
     - MCB 4312 Molecular Biotechnology
     - MCB 4503C Virology
     - MCB 4970H Honors Thesis
     - MCB 5205 Infectious Process
     - MCB 5225 Molecular Biology of Disease
     - MLS 3305 Hematology
     - MCB 5205 Infectious Process
     - MCB 5225 Molecular Biology of Disease
     - MLS 3305 Hematology
UCF Degree Programs

MOLECULAR BIOLOGY AND MICROBIOLOGY-UCF/USF Accelerated Medical School Program (B.S.) (See “Accelerated Programs”)

MOTION PICTURE TECHNOLOGY
(See Film)

MUSIC (B.A.)
College of Arts and Humanities
Department of Music, CNH 205A
http://www.cas.ucf.edu/music/
E-mail: music@mail.ucf.edu
Eugene Montague, E-mail: emontagu@mail.ucf.edu, 407-823-1145
Scott Warfield, E-mail: swarfiel@mail.ucf.edu, 407-823-1144

Requirements for Admission
■ Each student must complete and pass an interview with either a B.A. advisor or the Department Chair.

Degree 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

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 2001 4
or CHM 2046 3
MAC 1105 or elective 3

Sophomore Year
Fall 14/15 hrs
Spring 15 hrs
CHM 2210 3
MCB 3020C 5
MAC 2211* or MAC 2253 4/3
EUH 2001 or AMH 2010 4
or WOH 2012 or HUM 2210 3
or
HUM 2230 or WHO 2022

Plan your required 9 summer hours into your course of study

Junior Year
Fall 17 hrs
Spring 16/17 hrs
PCB 3522 3
PCB 3233L + PCB 4239 4
PHY 2053C or PHY 2048* 4
and 2048L 4
BSC 2011C 4

Senior Year
Fall 15/16 hrs
Spring 12/15 hrs
ECO 2013 or POS 2041 3
Restricted Elective 3/4
BSC 2010C 4
Restricted Elective 3/4
SPC 1600* or SPC 1016 3

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

Related Programs: Biology, Chemistry, Medical Lab Science

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.

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)

UCF Degree Programs

MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4505C Immunodiagnosits 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4XXX Genetics 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3703C Human Gross Anatomy 2 hrs
ZOO 3733C Human Anatomy 4 hrs
ZOO 4603C Vertebrate Embryology 5 hrs
ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs
ZOO 4774 Vertebrate Histology 3 hrs
ZOO 4753C Vertebrate Embryology 4 hrs
ZOO 4XXX Human Clinical Embryology 3 hrs

5. Departmental Exit Requirements
To be eligible for a major in Molecular Biology and Microbiology, Preprofessional Concentration:
■ A student must complete all coursework and chemistry major. Preprofessional Concentration.
■ Independent study, directed research, or similar credit may not be used as a Restricted Elective
■ A minimum of 20 hours must be taken at UCF in the department of the major
■ Students will be required to pass a comprehensive test during their last semester

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
■ 1.0 UCF GPA
■ 48 semester hours of upper division course work completed in residence at UCF
■ 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, Chemistry, Medical Lab Science

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.

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 3404 Course “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)

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 13 hrs
Spring 16 hrs
ENC 1101 3
PSY 2012 or SYG 2000 3
MAC 1105 or elective 3

Sophomore Year
Fall 14/15 hrs
Spring 15 hrs
CHM 2210 3
MAC 2211* or MAC 2253 4/3
EUH 2001 or AMH 2010 4
or WOH 2012 or HUM 2210 3
or
HUM 2230 or WHO 2022

Plan your required 9 summer hours into your course of study

Junior Year
Fall 17 hrs
Spring 16/17 hrs
PCB 3522 3
PCB 3233L + PCB 4239 4
PHY 2053C or PHY 2048* 4
and 2048L 4
BSC 2011C 4

Senior Year
Fall 15/16 hrs
Spring 12/15 hrs
ECO 2013 or POS 2041 3
Restricted Elective 3/4
BSC 2010C 4
Restricted Elective 3/4
SPC 1600* or SPC 1016 3

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

Related Programs: Biology, Chemistry, Medical Lab Science

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.

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)
## UCF Degree Programs

### 1. UCF General Education Program

*(see General Education Program for detailed information)*

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>A. Communication Foundations</strong></td>
<td>9 hrs</td>
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<tr>
<td><strong>B. Cultural and Historical Foundations</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C. Mathematical Foundations</strong></td>
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### 2. Common Program Prerequisites

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<th>Hours</th>
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<tbody>
<tr>
<td>MUT 1111* Music Theory IA</td>
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<tr>
<td>MUT 1112* Music Theory IB</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 1241* Ear Training &amp; Sight Singing IA</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 1242* Ear Training &amp; Sight Singing IB</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 2116* Music Theory IA</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 2117* Music Theory IB</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 2246* Ear Training &amp; Sight Singing IA</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 2247* Ear Training &amp; Sight Singing IB</td>
<td>1 hr</td>
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### 3. Core Requirements

<table>
<thead>
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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUS 1010 Music Forum (four semesters)</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3517 20th Century Musical Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX XXX Secondary Performance</td>
<td>CPP</td>
</tr>
<tr>
<td>MUN XXXX Ensembles</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111-2121-3131-4141* Class Piano I-II-III-IV</td>
<td>0-4 hrs</td>
</tr>
</tbody>
</table>

### 4. Restricted Electives-Music

Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)

### 5. Restricted Electives-Non-Music

Select primarily from upper-level courses, with departmental advisor's approval. Prefer courses within related arts and humanities departments including Art, Digital Media, English, Film, Modern Languages, History, Philosophy, and Theater.

### 6. Electives

Select primarily from upper-level courses. A maximum of six (6) hours may be taken in music. All other hours must be taken outside the department.

### 7. Minor Ensemble Participation

- **If minor ensemble is taken at UCF, the two semester hours of credit must be completed in two separate semesters.**
- **If minor ensemble credits are transferred to UCF, each remaining hour must be taken in a separate semester.**
- Minor ensembles include: Brass, Percussion, Piano, String, Vocal (except Opera Workshop), Woodwind, and Jazz Lab.

### 8. Departmental Exit Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 4XXX Capstone/Senior Thesis Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 9. Foreign Language Requirements

**Admission:** Met by graduation requirement

**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 examination 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.

### 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
- A maximum 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

### Related Minors:

Music, Theatre

### Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- MUT 1111*, MUT 1112*: May use MUT 1121, MUT 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 1241*, MUT 1242*: May use MUT 1221, MUT 1222, or MUT 1261, MUT 1262 or MUT 1271, MUT 1272.
- MUT 2116*, MUT 2117*: May use MUT 2126, MUT 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 2246*, MUT 2247*: May use MUT 2226, MUT 2227, or MUT 2276, MUT 2277, MUT 2278.
- MUS 1111, MUS 2121*: May use MUS 1112, MUS 2122 or MUS 2121, MUS 2221.

### 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 selection. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td>ENC 1101 Composition I</td>
</tr>
<tr>
<td></td>
<td>HUM 2210* req# 1B1-GEP</td>
</tr>
<tr>
<td></td>
<td>MGF 1106* req# 1C1-GEP</td>
</tr>
<tr>
<td></td>
<td>MUN 3143* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUS 1111 Music Theory IA</td>
</tr>
<tr>
<td></td>
<td>MUS 1241 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MUS 1242 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MUS 1246 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MUS 1247 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MVK 1111 Class Piano I</td>
</tr>
<tr>
<td></td>
<td>MVK 1112 Class Piano II</td>
</tr>
<tr>
<td></td>
<td>MVK 1211* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
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</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td></td>
<td>HUM 2230* req# 1B2-GEP</td>
</tr>
<tr>
<td></td>
<td>MGF 1206* req# 1C2-GEP</td>
</tr>
<tr>
<td></td>
<td>MUN 3143* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUS 1111 Music Theory IA</td>
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<tr>
<td></td>
<td>MUS 1241 Ear Training Sing IA</td>
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<td>MUS 1242 Ear Training Sing IA</td>
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<tr>
<td></td>
<td>MUS 1246 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MUS 1247 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MVK 1211* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
</tr>
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</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td>POS 2041* req# 1D1-GEP</td>
</tr>
<tr>
<td></td>
<td>PSC 1121* req# 1E1-GEP</td>
</tr>
<tr>
<td></td>
<td>MUN 3143* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUT 2116 Music Theory IA</td>
</tr>
<tr>
<td></td>
<td>MUT 2241 Ear Training Sing IA</td>
</tr>
<tr>
<td></td>
<td>MVK 3131 Class Piano III</td>
</tr>
<tr>
<td></td>
<td>MVK 1211* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
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<td></td>
<td>Restricted* req# Res Elect</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
<td>POS 200* req# 1D2-GEP</td>
</tr>
<tr>
<td></td>
<td>MUN 3143* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MUT 2126 Music Theory IB</td>
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<td></td>
<td>MUT 2241 Ear Training Sing IB</td>
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<td></td>
<td>MVK 1211* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>MVK 1010 Music Forum</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td>SPC 1600* req# 1A3-GEP</td>
</tr>
<tr>
<td></td>
<td>MUS 4211 History and Lit I</td>
</tr>
<tr>
<td></td>
<td>MUS 3170* req# 4-ResEle</td>
</tr>
<tr>
<td></td>
<td>MUS 4141 Class Piano IV</td>
</tr>
<tr>
<td></td>
<td>MUS 1211* req# 2-CPP</td>
</tr>
<tr>
<td></td>
<td>SPC 1600* req# 1A3-GEP</td>
</tr>
<tr>
<td></td>
<td>MUS 4211 History and Lit I</td>
</tr>
<tr>
<td></td>
<td>MUS 3170* req# 4-ResEle</td>
</tr>
<tr>
<td></td>
<td>MUS 4141 Class Piano IV</td>
</tr>
<tr>
<td></td>
<td>MUS 1211* req# 2-CPP</td>
</tr>
</tbody>
</table>

### 2006-2007 Undergraduate Catalog
Have on file in the University admissions office passing scores. Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or above.

Music Education (Professional Program) Students who wish to be accepted into the Music Education Professional Program 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 by special request 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.

Admission Requirements - Music Education-Pending
- Audition. To be accepted into Music Education-Pending, 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 by special request 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.
- Demonstrate professional, vocal, and aural skill proficiency in an interview with Music Education faculty.

Admission Requirements
- Music Education (Professional Program) Students who wish to be accepted into the Music Education Professional Program must complete the following requirements:
  - 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.
  - Must meet the College of Education’s requirements for admission to Internships I and II (see College of Education, Office of Clinical Experiences).
  - Pass the Music Education Proficiency (taken during completion of Performance II).

Note: Students who change degree programs and select this major must adopt the most current catalog.

Degree Requirements

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations (9 hrs)
     - ENC 1101 Composition I 3 hrs
     - ENC 1102 Composition II 3 hrs
     - SPC 1600 Fundamentals of Oral Communication 3 hrs
   - B. Cultural-Historical Foundations (9 hrs)
     - ANH 1010 U.S. History 1492-1877 3 hrs
     - ANH 2020 U.S. History 1877-Present 3 hrs
     - MUF 4212 History and Literature II 3 hrs
   - C. Mathematical Foundations (6 hrs)
     - Prefer MGF 1106 Finite Mathematics 3 hrs
     - Select one:
       - STA 1060C Basic Statistics Using Excel 3 hrs
       - STA 2014C Principles of Statistics 3 hrs
   - D. Social Foundations (6 hrs)
     - POS 2041 American National Government 3 hrs
     - PSY 2012 General Psychology 3 hrs
   - E. Science Foundations (6 hrs)
     - PSC 1120 Physical Science 3 hrs
     - Select one:
       - ANT 2511 The Human Species or
       - BSC 1005 Biological Principles 3 hrs

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (19 hrs)
   - A. Communications (0 hrs)
     - ENC 1101 Composition I
     - ENC 1102 Composition II
     - PC 1600 Fundamentals of Oral Communication
   - B. Humanities (3 hrs)
     - PHI 2010 Introduction to Philosophy 3 hrs
     - MUH 4212 History and Literature II 3 hrs
   - C. Mathematics (3 hrs)
     - MAC 1105 College Algebra 3 hrs
     - MGF 1106 Finite Mathematics 3 hrs

   One of the following (per GEP)
   - STA 1060C Basic Statistics using Excel or
   - STA 2014C Principles of Statistics 3 hrs

   Select one:
   - AST 2002 Astronomy
   - GLY 1030 Geology and its Applications 1 hr
   - One associated science lab
     - BSC 1005L Biological Principles Laboratory 1 hr
     - PSC 1121L Physical Science Laboratory 1 hr

   F. Education Courses (9 hrs)
     - EDF 2005 Introduction to Education 3 hrs
     - Take section designated for Music Education Pending Majors
     - EME 2040 Intro to Educational Technology 3 hrs
   - G. International/Diversity Courses
     - One of the following (per GEP)
       - ESE 3940 Internship I - Secondary 3 hrs
       - ESE 4943 Internship II - Secondary 12 hrs

3. Other Program Prerequisites (27 hrs)
   - A. Communication Foundations (9 hrs)
     - ENC 1101 Composition I
     - ENC 1102 Composition II
     - SPC 1600 Fundamentals of Oral Communication
   - B. Cultural-Historical Foundations (9 hrs)
     - ANH 1010 U.S. History 1492-1877
     - ANH 2020 U.S. History 1877-Present
     - MUF 4212 History and Literature II
   - C. Mathematical Foundations (6 hrs)
     - Prefer MGF 1106 Finite Mathematics
     - Select one:
       - STA 1060C Basic Statistics using Excel
       - STA 2014C Principles of Statistics
   - D. Social Foundations (6 hrs)
     - POS 2041 American National Government
     - PSY 2012 General Psychology
   - E. Science Foundations (6 hrs)
     - PSC 1120 Physical Science
     - Select one:
       - ANT 2511 The Human Species
       - BSC 1005 Biological Principles

Note: See laboratory component under Section 2.

4. Core Requirements (37 hrs)
   - A. Communication Foundations (9 hrs)
     - ENC 1101 Composition I
     - ENC 1102 Composition II
     - SPC 1600 Fundamentals of Oral Communication
   - B. Cultural-Historical Foundations (9 hrs)
     - ANH 1010 U.S. History 1492-1877
     - ANH 2020 U.S. History 1877-Present
     - MUF 4212 History and Literature II
   - C. Mathematical Foundations (6 hrs)
     - Prefer MGF 1106 Finite Mathematics
     - Select one:
       - STA 1060C Basic Statistics using Excel
       - STA 2014C Principles of Statistics
   - D. Social Foundations (6 hrs)
     - POS 2041 American National Government
     - PSY 2012 General Psychology
   - E. Science Foundations (6 hrs)
     - PSC 1120 Physical Science
     - Select one:
       - ANT 2511 The Human Species
       - BSC 1005 Biological Principles

Note: See laboratory component under Section 2.

5. Special Requirements (15 hrs)
   - Program A - Instrumental (0-1 hr)
     - MVV 1111 Class Voice (or proficiency)
   - Program B Choral (2 hrs)
     - MUG 3302 Instrumental Conduct & Materials

UCF Degree Programs
vide their own transportation to assigned locations. As the experience draws to an end, the gradual assume a full responsibility for the classroom to which they have been assigned. As the experience draws to an end, the process should be reversed and supervising teachers take back their classes at convenient program breaks. Students are expected to provide their own transportation to assigned locations.

Internship II: Students must have on file in the University admissions office passing scores on 4 parts of the CLAST and have passed 4 of the 5 music proficiency/comprehensive exams (including the Music Education) before enrolling in 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 the field with half the time in an Elementary setting and half in a Secondary school setting. Components of the experience include directed observation, collaborative planning, guided participation, and collaborative evaluation. Students are expected to provide their own transportation to assigned locations.

Ensemble Participation
- Selected from University Chorus, Symphony Orchestra, Concert Band, Marching Band, and Wind Ensemble. Four hours of Jazz Lab may be used as a Major Ensemble credit
- Ensemble assignment is by the Ensemble directors
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II
- Native UCF students must take each Ensemble credit in a separate semester
- Students taking a Performance course must concurrently take an appropriate major ensemble if accepted

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization)
- Maintain a Professional Portfolio. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

CMENC Membership
- Active participation in CMENC is expected

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 public schools on a regular basis. Students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental) before taking Internship I.

8. Departmental Exit Requirements
- Pass the Professional Education and Subject Area subtests of the Florida Teacher Certification Examination.
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each music course.
- A grade of “B” (3.0) or better in each performance, education, and music education course.
- Computer competency is met through MUS 2360C.
- 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

9. 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

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)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

11. Total Semester Hours Required 134 hours
Related Programs: Music, Music (BFA), Theatre
Related Minors: Music, Theatre
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students transferring to UCF must pass the Music Education Proficiency in order to be accepted as a Music Education major
- Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Common Program Prerequisites sections because the revision of State Board of Education Rule 6A-5.066 has made programs highly prescriptive, which may result in additional coursework to satisfy degree requirements.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- MUE 2040*: May use equivalent course or proficiency
- MUT 1111*, MUT 1112*: May use MUT 1121, 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective
- MUT 1241*, MUT 1242*: May use MUT 1221, 1222, or MUT 1222, 1222, or MUT 1271, 1272
- MUT 2116*, MUT 2117*: May use MUT 2126, 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective
- MUT 2246*, MUT 2247*: May use MUT 2226, 2227, or MUT 2266, 2267, or MUT 2276, 2277
- MVK 1111, 2121*: May use 1112, 2122 or MVK 1211, 2221

Note: Education majors are required to take six hours (in addition to
EDG 2701) 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 designat- ed by their previous institution.

Note: Students must take a Natural Science class with the lab and should select a course that fulfills the GEP requirement.

MUSIC PERFORMANCE (B.M.)

College of Arts and Humanities
Department of Music, CNH 205
http://www.cas.ucf.edu/music/
E-Mail: music@mail.ucf.edu

Audition Requirements for Admission

Each student must audition and demonstrate advanced proficiency by performing compositions representing a variety of musical periods.

Memorization is required for pianists and vocalists.

Accompanists are provided by special request 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 examination for accepted candidates.

In addition, composition students must submit a portfolio of compositions representing works in small and/or large forms.

The audition and examination scores will serve as a placement examination for accepted candidates.

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.

Performance and composition students must present two faculty-approved public recitals.

Students should consult with a departmental advisor for course selection.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

(see General Education program for detailed information)
A. Communication Foundations 9 hrs
Select SPC 1000

B. Cultural and Historical Foundations 3 hrs
Select one course from 1.B.1 list
Select MUN 4212 History and Literature II
Select one course from 1.B.1 or 1.B.2 list

C. Mathematical Foundations 3 hrs
Prefer MGF 1106 Finite Mathematics (may substitute a higher level math)
Prefer STA 1060C Statistics Using Excel

D. Social Foundations 6 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites

(24 hrs)

MUT 1111* Music Theory IA 2 hrs
MUT 1122* Music Theory IB 2 hrs
MUT 1241* Ear Training & Sight Singing IA 1 hr
MUT 1242* Ear Training & Sight Singing IB 1 hr
MUT 2116* Music Theory IIA 2 hrs
MUT 2117* Music Theory IIB 2 hrs
MUT 2240* Ear Training & Sight Singing IIA 1 hr
MUT 2247* Ear Training & Sight Singing IIB 1 hr
MUN XXXX Major Ensemble (four semesters) 4 hrs
(Piano students take MUN 3453, guitar students take MUN 3483)
MVB/MVK/MVP/ MVSM/MVM/MW Performance or composition (four including two semesters of Level IV) 8 hrs
MUN XXXX Major Ensembles 2 hrs

3. Core Requirements

(18 hrs)

MVK 3131 Class Piano III 1 hr
MVK 4141 Class Piano IV 1 hr
MUS 1010 Music Forum (eight semesters) 0 hrs
MUT 3571 20th Century Musical Analysis 3 hrs
MVB/MVK/MVP/ MVS/MVM/MW Performance or composition (four including two semesters of Level IV) 8 hrs
MUN XXXX Major Ensembles 2 hrs
(Piano students take MUN 3453, guitar students take MUN 3483)
MUG 3104 Basic Conducting 2 hrs
MUG 4211 History & Literature I 3 hrs
MUG 4212 History & Literature II GEP

4. Specialty Requirements: 24 hrs

Piano
MUL 3432 String Literature 2 hrs
MVS 4640 String Pedagogy 2 hrs
MUT 3571 20th Century Musical Analysis 3 hrs

Guitar
MUT 3401 Guitar PEDAGOGY I 2 hrs
MUT 3402 Guitar PEDAGOGY II 2 hrs

Voice
MUT 3401 Voice PEDAGOGY I 2 hrs
MUT 3402 Voice PEDAGOGY II 2 hrs

Composition
MUT 3401 Counterpoint 3 hrs
MUT 3538 Arranging and Composing Music 3 hrs
MUG 3302 Instrumental Conducting & Materials 3 hrs
MUC 3311 MIDI Sequencing I 3 hrs
MUC 4441 MIDI Sequencing II 3 hrs
MUS 4347C Digital Notation 3 hrs
MUT 3170 Jazz Theory I 2 hrs

Ensembles
MUN XXXX Major Ensemble 4 hrs

5. Restricted Electives: 0 hrs

Any secondary performance course not in area of major instrument or

*See Transfer Notes for possible substitutes
UCF Degree Programs

- Any MUC, MUE, MUG, MUH, MUL, MUN, MUS, MUT courses numbered 3000 or higher.

6. Special Non-Course Requirements

Major Ensemble Participation
- Selected from University Chorus, Symphony Orchestra, Concert Band, Symphonic Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Transfer students must take Major Ensemble during each of their remaining semesters
- Native UCF students must take each Major Ensemble credit in a separate semester.
- 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 four semester hours of credit must be spread over at least three 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, String, Vocal (except Opera Workshop), Woodwind, Jazz, Women's and Early Music Ensemble

Results
- Each student must perform two faculty-approved public recitals: a junior recital of 30 minutes length and a senior recital of 45 minutes length. Composition majors must present original musical compositions by the student.

7. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by CGS 1060C, or departmental examination

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 hours

Related Programs: Music Education, Music (BA), Theatre

Related Minors: Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- MUT 1111*, MUT 1112*: May use MUT 1121, 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 1241*, MUT 1242*: May use MUT 1221, 1222, or MUT 1261, 1262 or MUT 1271, 1272.
- MUT 2116*, MUT 2117*: May use MUT 2126, 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 2246*, MUT 2247*: May use MUT 2226, 2227, or MUT 2266, 2267, or MUT 2276, 2277.
- MVK 1111, 2121*: May use 1112, 2122 or MVK 1211, 2221

NURSING (B.S.N.)

A. BASIC PROGRAM

(For individuals who are not Registered Nurses)

College of Health and Public Affairs
HPA 1220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/

Director: Jean Leuner
Undergraduate Coordinator: Patricia Leli
E-mail: ucfnurse@mail.ucf.edu

Admission Requirements
Acceptance to the university does not constitute admission to the upper division nursing program.

- Separate application to the limited access program must be made directly to the School of Nursing prior to February 1 of the year admission is sought for the Orlando Campus and June 1 the prior year for January admission on the Brevard and Daytona Campus (see information on Accelerated Second Degree program for deadline)
- Application for admission to the University must also be submitted by the program deadline
- Student must complete all general education, foreign language, and program prerequisite requirements prior to the start of the program.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Three prerequisite science courses must be completed by the program application deadline
- The School 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 nursing office for an appointment with a basic faculty advisor.
- All applicants must have a minimum overall GPA of 2.80, and complete all program prerequisite courses with a grade of “C” (2.0) or better
- Early acceptance may be offered to First-Time-in-College (FTIC) students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECP). For specific information about early acceptance, contact the School of Nursing.

Graduates are eligible to apply to take the licensing examination for registered nurses (NCLEX). The program is accredited by the Commission on Collegiate Nursing Education 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 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 a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- 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 continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours
- Any variation from the stated prerequisites must be approved in writing by the School of Nursing. Petition forms are available in
the School of Nursing office.

1. UCF General Education Program (36 hrs):
   A. Communication Foundations 9 hrs
      NUR 3104 Assessing Human Development
   B. Cultural Historical Foundations 9 hrs
      NUR 3165 Nursing Research
   C. Mathematical Foundations 6 hrs
      MAC 1105
      Select STA 2014C
   D. Social Foundations 6 hrs
      Select both SYG 2000 and PSY 2012*
      Select ECO 2013 or ECO 2023 or POS 2041
   E. Science Foundations** 6 hrs
      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 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 prereq-
     usite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (22 hrs)
   PSY 2012 General Psychology** GEP
   SYG 2000 Sociology** 3 hrs
   MCB 2004C Health Microbiology 4 hrs
   CHM 1032 General Chemistry and lab** GEP
   ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology** 4 hrs
   STA 2014C or 2023 Principles of Statistics** GEP
   SOW 2104 Assessing Human Development or
   DEP 2004 Developmental Psychology 3 hrs
   HUN 3011 Human Nutrition 3 hrs
   * May take Anatomy and Physiology sequence of six-eight total credits.
   ** Also meets General Education Requirements. The first semester of a two semes-
      ter general chemistry course does not meet requirement.

3. Core Requirements

   Students currently enrolled in the nursing program will complete the following core requirements (63 hrs):
   NUR 3020L Therapeutic Interv. for Health Prof. 1 hr
   NUR 3005 Health Assessment 2 hrs
   NUR 3005L Health Assessment Lab 1 hr
   NUR 3105 Nursing Research 3 hrs
   NUR 3235 Promoting Physical & Mental Health 5 hrs
   NUR 3235L Clinical Practice in Mental Health 5 hrs
   NUR 3616 Promoting Healthy Families 3 hrs
   NUR 3616L Clinical Practicum on a Community Health 3 hrs
   NUR 3617 Promoting Healthy Communities 3 hrs
   NUR 3825 Role of the Professional Nurse 2 hrs
   NUR 3128 Pathophysiology & Pharmacology 5 hrs
   NUR 4525 Nursing Intervention w/Acute Ill. 2 hrs
   NUR 4525L Clinical Practice w/Mental Illness Client 1 hr
   NUR 4636 Community as the Continuum of Care 3 hrs
   NUR 4636L Clinical Practice in Comm.-Orient Nurs 2 hrs
   NUR 4745N Nursing Care of Clients w/Acute Ill. 4 hrs
   NUR 4745L Clinical Practice in Critical Care 4 hrs
   NUR 4827 Leadership & Management Principles 3 hrs
   *NUR 4945L Nursing Practicum 4 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4932 ST: Nursing Care of the Adult I 3 hrs
   NUR 4932L ST: Nursing Care of the Adult I Clinical 2 hrs
   NUR 4932 ST: Nursing Care of the Adult II 3 hrs
   NUR 4932L ST: Nursing Care of the Adult II Clinical 2 hrs
   NUR 4932 ST: Leadership, Management and Role Transition 3 hrs
   NUR 4932L ST: Psychiatric Mental Health Nursing 3 hrs
   NUR XXXX Pathophysiology for Nurses 3 hrs
   NUR 4932 ST: Introduction to Critical Care 3 hrs
   NUR 4932 ST: Psychiatric Mental Health Nursing Clinical 2 hrs
   NUR 4932L ST: Public Health Nursing Clinical 1 hr
   NUR 4956 Nursing Research 3 hrs
   NUR 4827 Leadership & Management Principles 3 hrs
   NUR 4932 ST: Introduction to Critical Care 3 hrs
   NUR 4932L ST: Psychiatric Mental Health Nursing Clinical 2 hrs
   NUR 4932 ST: Public Health Nursing Clinical 1 hr
   NUR 4956 Nursing Research 3 hrs

   Students admitted as of fall 2006 will be enrolled in the following core requirements (64 hrs):
   NUR 3005 Health Assessment 2 hrs
   NUR 3005L Health Assessment Lab 1 hr
   NUR 3825 Role of Professional Nurse 2 hrs
   NUR 3930 ST: Essentials of Nursing Practice 2 hrs
   NUR 3930L ST: Essentials of Nursing Practice Clinical 3 hrs
   NUR 3930 ST: Community Health Nursing 3 hrs
   NUR 3930L ST: Community Health Nursing Clinical 2 hrs
   NUR XXXX Pathophysiology for Nurses 3 hrs
   NUR 3930 ST: Pharmacology for Nurses 3 hrs
   NUR 3930 ST: Nursing Care of the Adult I 3 hrs
   NUR 3930L ST: Nursing Care of the Adult I Clinical 2 hrs
   NUR 3930 ST: Nursing Care of the Adult II 3 hrs
   NUR 3930L ST: Nursing Care of the Adult II Clinical 2 hrs
   NUR 3930 ST: Nursing Care of the Adult III 3 hrs
   NUR 3930L ST: Nursing Care of the Adult III Clinical 2 hrs
   NUR 3930 ST: Psychiatric Mental Health Nursing Clinical 2 hrs
   NUR 3930L ST: Public Health Nursing Clinical 1 hr
   NUR 3616 Promoting Healthy Families 3 hrs
   NUR 4932 ST: Nursing Care of the Adult II Clinical 3 hrs
   NUR 4932L ST: Psychiatric Mental Health Nursing Clinical 2 hrs
   NUR 4932 ST: Leadership, Management and Role Transition 3 hrs
   NUR 4932L ST: Psychiatric Mental Health Nursing Clinical 2 hrs
   NUR 4932 ST: Public Health Nursing Clinical 1 hr
   NUR 4956 Nursing Research 3 hrs
   NUR 4827 Leadership & Management Principles 3 hrs

   Any variation from the above must be approved by the school of Nursing.

4. Upper Division Restricted Electives (3 hrs)
   Nursing Elective None
   * Any School of Nursing Elective approved by advisor

5. Departmental Continuation and Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   UCF GPA of 2.5 or above
   School of Nursing GPA of 2.5 or above

6. Electives None

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficien-
   cy 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 res-
   idency 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 121 hours

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 2012) or any General Psychology course
General Sociology (SYG 2000) or any Intro to Sociology course
Statistics (STA 2014C or 2023) or any Statistics course
General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)*
Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/1086)
General Microbiology (MCB X020C) (MCB X010C) w/lab or any Microbiology course w/lab
Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course
Human Nutrition with therapeutic nutrition focus

** The first semester of a two semester general chemistry course does not meet requirement.
Note: A grade of “C” (2.0) or better is required in all prerequisite courses.

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.

Freshman Year

<table>
<thead>
<tr>
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<th>Spring</th>
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<tbody>
<tr>
<td>SYG 2000</td>
<td>CHM 1032L</td>
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<td>ENC 1101</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>STA 2014C or STA 2023</td>
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<tr>
<td>BSC 2010C</td>
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Sophomore Year

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<td>POS 2041 or ECO 2013</td>
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<td>or AMH 2010 or WOH 2012</td>
<td>or AMH 2020 or WOH 2022</td>
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<td>SPG 1600</td>
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Junior Year

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<tr>
<td>NUR 3930L ST</td>
<td>NUR 3930 ST</td>
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<tr>
<td>SYG 2000</td>
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Summer C/D

| NUR 3165              |                       |
| NUR 3930 ST and/or    |                       |
| NUR 4037              |                       |

Senior Year

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<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
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<td>NUR 4932 ST</td>
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<td>NUR 4932 ST</td>
<td>NUR 4932 ST</td>
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</tbody>
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NURSING (B.S.N.)

B. RN TO BSN PROGRAM

Completion program for individuals who are licensed RN's

College of Health and Public Affairs

HPA1 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/

RN to BSN Coordinator: Linda Hennig
E-mail: ucfnurse@mail.ucf.edu

This program is also currently 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 School 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
- Completion of all sections of CLAST (or Exempt)
- A minimum overall GPA of 2.5
- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better

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 a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other universities
- 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 University
- UCF Residency Requirement: 30 hours
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (36 hrs)

| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |

MAC 1105
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
6 hrs
Select BSC 2010C
Select CHM 1032

2. Common Program Prerequisites (21 hrs)

| PSY 2012 General Psychology* | GEP |
| SYG 2000 Sociology** | 3 hrs |
| MCB 2004C Health Microbiology | 4 hrs |
| CHM 1032L General Chemistry and lab** | GEP |
| ZOO 3733C Human Anatomy* | 4 hrs |
| PCB 3703C Human Physiology | 4 hrs |
| STA 2014C or 2023 Principles of Statistics** | GEP |
| SOW2104 Assessing Human Development | 3 hrs |
| NUR 3805 Transitional Concepts in Nursing I | 3 hrs |
| NUR 3065 Health Assessment | 2 hrs |
| NUR 3065L Health Assessment Lab | 1 hr |
| NUR 3165 Critical Inquiry | 3 hrs |
| NUR 4984 Transitional Concepts in Nursing II | 3 hrs |
| NUR 4936 Community as Continuum of Care | 3 hrs |
| NUR 4636L Clin Pract in Comm-Oriented Nursing | 2 hrs |
| NUR 4827 Leadership and Management Principles | 3 hrs |
| NUR 4837 Health Care Issues, Policy, & Econ | 3 hrs |
| NUR 4812C Practicum & Role Development for RNs | 4 hrs |

3. Core Requirements (55 hrs)

| NUR 3805 Transitional Concepts in Nursing I | 3 hrs |
| NUR 3065 Health Assessment | 2 hrs |
| NUR 3065L Health Assessment Lab | 1 hr |
| NUR 3165 Critical Inquiry | 3 hrs |
| NUR 4984 Transitional Concepts in Nursing II | 3 hrs |
| NUR 4936 Community as Continuum of Care | 3 hrs |
| NUR 4936L Clin Pract in Comm-Oriented Nursing | 2 hrs |
| NUR 4827 Leadership and Management Principles | 3 hrs |
| NUR 4837 Health Care Issues, Policy, & Econ | 3 hrs |
| NUR 4812C Practicum & Role Development for RNs | 4 hrs |

Validation Credit
28 hrs

4. Upper Division Restricted Elective (3 hrs)

| NUR XXXX Any Nursing Elective | 3 hrs |

5. Departmental Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- School of Nursing GPA of 2.5 or above

6. Electives

none

7. Foreign Language Requirements (0-8 hrs)

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

Graduation:

none
8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Sample Plan of Study

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>NUR3005</td>
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<tr>
<td>UR 3065</td>
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<td>NUR 4827</td>
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Semester III

| NUR 4084 | 3 |
| NUR XXXX (elective) | 3 |

Semester IV

<table>
<thead>
<tr>
<th>Semester V</th>
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</thead>
<tbody>
<tr>
<td>NUR 4636</td>
</tr>
<tr>
<td>NUR 4636L</td>
</tr>
<tr>
<td>NUR 4812C</td>
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</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 3005 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 4084:
  - Be admitted to the nursing program
  - Complete general education requirements or A.A. from a Florida state community college or university (SUS)
  - Complete CLAST(or exempt)
  - Complete Foreign language admission requirement

Other

Selected courses may be offered and at regional campuses of Daytona and Cocoa.

The RN-BSN coursework is also offered via the Internet. Some on-campus labs and clinical practica may be required. For further information access http://www.cohpa.ucf.edu/nursing/

NURSING ACCELERATED

C. RN TO MSN OPTION

Note: For detailed information about this program, see description in the UCF Accelerated Degree Programs section.

NURSING (B.S.N.)

D. AS TO BSN TRACK

Note: For detailed information about this program, see description in the AS to BS Program section.

ORGANIZATIONAL COMMUNICATION (B.A.)

See Interpersonal/Organizational Communication.

PHILOSOPHY (B.A.)

College of Arts and Humanities

Philosophy Department, CNH 411

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

E-mail: philosophy@ucf.edu

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

B. Cultural and Historical Foundations

- Select HUM 2210 Human Traditions I (3 hrs)
- Select HUM 2230 Human Traditions II (3 hrs)
- Select PHI 2010 Intro to Philosophy (3 hrs)

C. Mathematical Foundations

- Prefer MGF 1106 Finite Mathematics (3 hrs)
- Prefer 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 (36 hrs)

a. Core

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<tbody>
<tr>
<td>PHI 2011 Critical Thinking</td>
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<tr>
<td>PHI 2010 Intro to Philosophy</td>
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<tr>
<td>PHI 4938 Senior Research Seminar</td>
</tr>
</tbody>
</table>

b. Philosophical Foundations: (12 hrs)

- Select 12 hours, including at least three hours from each group:

Reasoning

- PHI 2011 Philosophical Reasoning
- PHI 2101 Critical Thinking
- PHI 2101 Formal Logic 1

Ethics

- PHI 3670 Ethical Theory

Knowledge

- PHI 3320 Philosophy of Mind
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 4500 Metaphysics

Research Methods

- PHI 3083 Research Methods in Philosophy (6 hrs)

- Select two courses:
  - PHM 3401 Philosophy of Law
  - PHR 3700 Philosophy of Religion
  - PHI 4400 Philosophy of Science
  - PHI 4420 Philosophy of Social Science
  - PHI 3451 Philosophy of Psychology
  - PHI 3800 Aesthetics

- Select three courses:
  - HUM 4330 Performance Theory
  - PHI 3626 Ethics in Science & Technology
  - PHI 3022 Sexuality, Gender & Philosophy
  - PHI 3003 Philosophy, Religion, and the Environment
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3640 Environmental Ethics
  - PHI 3941 Philosophy Practicum
  - PHI 4321 Philosophies of Embodyment: Mind/Body/Self
  - PHI 4931 Philosophy in the News
UCF Degree Programs

PHI 4631 Ethics and Biological Science
PHI 4804 Critical Theory
PHM 3100 Freedom and Justice
PHM 3123 Feminist Theory
PHM 4031 Environmental Philosophy
REL 3111 Religion and Philosophy through Film

5. 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)

Choose two of the following:
- PHH 3100 Ancient Philosophy
- PHH 3200 Medieval Philosophy
- PHH 3460 Modern Western Philosophy
- PHH 3600 Contemporary Philosophy

Same requirements as for regular majors.

Honors Thesis (6 hrs)

- PHI 4934H 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

6. 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 4951, and PHI 4938, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

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)

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.

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
- ENC 1102 Composition II 3
- HUM 2210 Human Traditions I 3
- MGF 1106* req# 1C1-GEP 3
- PHI 2101 Intro to Phil 3
- SPN 1120* req# Lang/Elect 4

**Spring**
- ENC 1101 Composition I 3
- ENC 1102 Composition II 3
- HUM 2210 Human Traditions II 3
- STA 1060C* req# 1C2-GEP 3

### Sophomore Year
**Fall**
- BSC 1005* req# 1E2-GEP 3
- PSY 2102* req# 1D2-GEP 3
- SPC 1600* req# 1A3-GEP 3
- PHI 2108 Reasoning 3
- PHI 3100* req# 3c-History 3

**Spring**
- CHM 1020* req# 1E1-GEP 3
- POS 2041* req# 1D1-GEP 3
- PHI 3460* req# 3d-DiscHistory 3

### Junior Year
**Fall**
- PHI 3083 Res Meth in Phil 3
- PHH 3600* req# 3c-History 3
- PHI 3320* req# 3e-Being 3
- Elective* Check restrictions 3

**Spring**
- PHI 4782* req# 3e-Being 3
- PHH3600 req# 3d-Values 3
- PHI 4321 req# 3f Topcs 3
- Elective* Check restrictions 3

### Senior Year
**Fall**
- PHP 3786* req# 4-ResEle 3
- PHI 4804* req# 4-ResEle 3
- Elective* or PHI 4903H 3
- Elective* Check restrictions 3

**Spring**
- PHI 4938 Seminar 3
- Elective* or PHI 4903H 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

### PHOTOGRAPHY (B.S.)
College of Arts and Humanities
E-mail: ls@mail.ucf.edu
Advisors: Kevin Haran (UCF-Orlando), 407-823-2676; Steve Spencer (UCF-Daytona), 386-506-4093

The Photography B.S. program is a joint program between the University of Central Florida and Daytona Beach Community College.

(This program is only offered at UCF at Daytona Beach)

### Admission Requirements
Completion of an A.S. in Photographic Technology from Daytona Beach Community College or equivalent coursework.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

### Degree Requirements 1. UCF General Education Program

#### Freshman Year
- ENC 1101 Composition I 3
- ENC 1102 Composition II 3
- HUM 2210 Human Traditions I 3
- MGF 1106* req# 1C1-GEP 3
- PHI 2101 Intro to Phil 3
- SPN 1120* req# Lang/Elect 4

#### Sophomore Year
- BSC 1005* req# 1E2-GEP 3
- PSY 2102* req# 1D2-GEP 3
- SPC 1600* req# 1A3-GEP 3
- PHI 2108 Reasoning 3
- PHI 3100* req# 3c-History 3

#### Junior Year
- PHI 3083 Res Meth in Phil 3
- PHH 3600* req# 3c-History 3
- PHI 3320* req# 3e-Being 3
- Elective* Check restrictions 3

#### Senior Year
- PHP 3786* req# 4-ResEle 3
- PHI 4804* req# 4-ResEle 3
- Elective* or PHI 4903H 3
- Elective* Check restrictions 3

### AS Required Courses: (49 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3751 Videography</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3809 Photography and Web Design</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3751 Videography</td>
<td>3</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites

- Subject to change. Prerequisites have not been set by the state.
- ARH 2051 History and Criticism of Art II
- GRA 1741* Principles of Design and Color
- GRA 1100* Computer Graphics Fundamentals
- PGY 1403* Fundamentals of Photography
- PGY 3610C Photomjournalism I

### 3. AS Required Courses: (49 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3002 Contemporary Photography</td>
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</tr>
<tr>
<td>ARH 3711 History of Photography II</td>
<td>3</td>
</tr>
<tr>
<td>PGY 4003 Image, Culture, and Society</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3011 Creative Writing for Non-Majors</td>
<td>3</td>
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<tr>
<td>PCH 3621 Digital Imagery for Photography</td>
<td>3</td>
</tr>
<tr>
<td>PCH 3610C Photomjournalism I</td>
<td>3</td>
</tr>
<tr>
<td>PCH 3620C Photomjournalism II</td>
<td>3</td>
</tr>
<tr>
<td>PGY 4472 Photography Workshop/Project</td>
<td>3</td>
</tr>
<tr>
<td>PGY 4228 Advanced Illustrative Photography</td>
<td>3</td>
</tr>
<tr>
<td>PGY 4471 Photography Thesis</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3324 The Professional Environment</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3205 Photographic Lighting Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3480 Photographic Exhibition and Display</td>
<td>3</td>
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### 4. Upper Division Required Courses (39 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PGY 3751 Videography</td>
<td>3</td>
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<tr>
<td>PGY 3809 Photography and Web Design</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3751 Videography</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Upper Division Restricted Electives (3 hrs)

Select one of the following courses.
- PGY 3002 Contemporary Photography
- ARH 3711 History of Photography II
- PGY 4003 Image, Culture, and Society
- CRW 3011 Creative Writing for Non-Majors
- PCH 3621 Digital Imagery for Photography
- PCH 3610C Photomjournalism I
- PCH 3620C Photomjournalism II
- PGY 4472 Photography Workshop/Project
- PGY 4228 Advanced Illustrative Photography
- PGY 4471 Photography Thesis
- PGY 3324 The Professional Environment
- PGY 3205 Photographic Lighting Techniques
- PGY 3480 Photographic Exhibition and Display

### Admission Requirements

- Complete the University General Education requirements or its equivalent course.

### Physical Education (B.S.)
College of Education
Department of Teaching and Learning Principles

**ED 209**
http://pegasus.cc.ucf.edu/~ucfphyed/
Program Coordinator: Dr. Patricia Higginbotham
ED 320-H, 407-823-2050
E-mail: higginbp@mail.ucf.edu

Admission Requirements:
- Complete the University General Education requirements or its equivalent course.
- Psychology or Sociology
- Physical Science
- Life Science
### UCF Degree Programs

#### 1. UCF General Education Program (37 hrs)

**A. Communication Foundations**
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- Select SPC 1600 Fundamentals of Oral Communication 3 hrs

**B. Cultural-Historical Foundations**
- Select AMH 2010 U.S. History 1492-1877 3 hrs
- Select AMH 2020 U.S. History 1877-Present 3 hrs
- Select PHI 2010 Introduction to Philosophy 3 hrs

**C. Mathematical Foundations**
- Select MGF 1106 Finite Mathematics 3 hrs
- Select one:
  - STA 1060C Basic Statistics using MS Excel or
  - STA 2014C Principles of Statistics

**D. Social Foundations**
- Prefer PDS 2041 American National Government 3 hrs
- Select PSY 2012 General Psychology 3 hrs

**E. Science Foundations**
- Select PSC 1121 Physical Science 3 hrs
- Select BSC 2010C Biology I 3 hrs

#### 2. Common Program Prerequisites (34 hrs)

**A. Communications**
- ENC 1101 Composition I 9 hrs
- ENC 1102 Composition II GEP
- SPC 1600 Fundamentals of Oral Communication GEP

**B. Humanities**
- PHI 2010 Introduction to Philosophy GEP
- Select one:
  - ARH 2050 History of Western Art I
  - ARH 2051 History of Western Art II
  - GLY 1030 Geology and its Applications
  - THE 2000 Theatre Survey or
  - FIL 2400 History of Motion Pictures

**C. Mathematics**
- MAC 1105 College Algebra 3 hrs
- MGF 1106 Finite Mathematics GEP
- One of the following (per GEP)
  - STA 1060C Basic Statistics using MS Excel or
  - STA 2014C Principles of Statistics

**D. Social Science/History**
- Select one:
  - AMH 2010 U.S. History 1492-1877 GEP
  - AMH 2020 U.S. History 1877-Present GEP
  - POS 2041 American National Government GEP
  - PSY 2012 General Psychology GEP

**E. Science**
- Select one:
  - PSC 1121 Physical Science
  - BSC 1001C Biology I
  - AST 2002 Astronomy or
  - GEO 1200 Physical Geography or
  - GLY 1030 Geology and its Applications

**F. Education Courses**
- Select one:
  - EDF 2005 Introduction to Education 3 hrs
  - EDF 2701 Teaching Diverse Populations 3 hrs
  - EME 2040 Technology for Educators 3 hrs

**G. Diversity Courses**
- Select one:
  - ZOO 3756C Human Anatomy with Lab 4 hrs
  - PET 4544 Coaching Football

**H. Other Program Prerequisites**
- Select one:
  - PEO 2011 Team Sports or
  - PEO 2031 Indiv. Sports and Leisure Activities
  - PET 4782C Human Injuries 3 hrs
  - PET 4540 Adapted PE 3 hrs
  - PET 4823C Teaching Sports Skills 3 hrs

#### 3. Education Core Requirements (12 hrs)
- EDG 4323 Professional Teaching Practices 3 hrs
- EDF 4214 Classroom Learning Principles 3 hrs

#### 4. Specialization Requirements (30 hrs)
- ZOO 3756C Human Anatomy with Lab CPP
- DAE 3370 Dance & Rhythmic 3 hrs
- PEO 3041 Games Analysis 3 hrs
- PET 2022C Human Injuries 3 hrs
- PET 4550C Motor Development & Learning 3 hrs
- PET 4312 Biomechanics 3 hrs
- PET 4351C Applied Exercise & Human Physiology 3 hrs
- PET 4401 Administration and Evaluation in PE 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- PET 4640 Adapted PE 3 hrs
- PET 4823C Teaching Sports Skills 3 hrs

#### 5. Internship I and Methods Block (6 hrs)
- PET 3940 Internship I 3 hrs
- PET 4710 Teaching Physical Education K-12 3 hrs

- EDG 4323 must be completed with a minimum grade of "C-"
- PET 4710 must be taken concurrently with PET 3940
- Junior/senior standing required. Normally taken during next to last full time semester
- See additional requirements in College of Education, Office of Clinical Experiences

#### 6. Internship II (PET 4943) (10 hrs)
- All methods/specialization courses must be completed with a letter grade of "C-" or better before registering for Internship II
- See additional requirements in College of Education, Office of Clinical Experiences
- 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 the Board of Education Rule 6A-5.065

#### 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.
- 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.

#### 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
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

#### 10. Total Semester Hours Required 120 hours

#### 11. Coaching Endorsement (Optional) (6 hrs)
- PET 3765 Coaching Theory 3 hrs
- Select one of the following courses:
  - PEO 2624 Coaching Basketball
  - PEO 3324 Coaching Volleyball
  - PEO 3544 Coaching Football

#### 12. Recommended Sequence of Program Courses:

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>13 hrs</td>
<td>15 hrs</td>
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<tr>
<td>BSC 2010C</td>
<td>4 hrs</td>
<td>EDG 2701</td>
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222 UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
PHYSICS (B.S.)

College of Sciences, Physics Department
MAP 310, 407-823-2325
http://www.physics.ucf.edu

E-mail: physics@ucf.edu

Chair: Ralph Llewellyn, 407-823-2325
Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements

None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CORE 1015</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2022</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Prefer COP 3223 3 hrs

D. Social Foundations

None

E. Science Foundations

1. Select PHY 2048 & L (PR: MAC 2311) 4 hrs
2. Select a listed course 3 hrs

2. Common Program Prerequisites

CHM 2401C 4 hrs
CHM 2406 & L 4 hrs
MAC 2311 Calculus with Analy Geo I 4 hrs
MAC 2312 Calculus with Analy Geo II 4 hrs
MAC 2313 Calculus with Analy Geo III 4 hrs
PHY 2048 & L 4 hrs
PHY 2049 & L 4 hrs

*See Transfer Notes for possible substitutes

3. Core requirements (all tracks)

MAP 2302 Differential Equations 3 hrs
PHY 3101 Physics Engr & Sci I 3 hrs
PHY 3113 Intro to Theoretical Methods of Physics 3 hrs
PHY 3220 Mechanics 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3523 Electricity and Magnetism I 3 hrs
PHY 3524 Electricity and Magnetism II 3 hrs
PHY 4504 Introduction to Quantum Mechanics I 3 hrs
PHY 4605 Introduction to Quantum Mechanics II 3 hrs
PHY 4912 Directed Independent Research 3 hrs

(Should be in the area of specialization)

Laboratory requirements

PHY 3802L Intermediate Physics Lab 3 hrs
Select one of the following 3 hrs
PHY 3752C Physics of Sci instruments 3 hrs
PHY 3762C Physics Laboratory: Electronics 3 hrs

4. Specialization: select one specialization

4.1 General Physics Specialization

PHY 4803L Advanced Physics Lab 3 hrs
Upper Division Restricted Electives 6 hrs
PHY, PHZ, or AST courses 9 hrs

Directed Electives 9 hrs
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2 Materials Physics Specialization

EEL 5352C Fabrication of Solid State Devices 4 hrs

Directed Electives 6 hrs
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization

PHY 4424 Physical Optics 3 hrs

Directed Electives 9 hrs
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.4 Computational Physics Specialization

PHZ 315L Computer Methods in Physics 3 hrs

Directed Electives 6 hrs
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization

AST 2002 Introduction to Astronomy 3 hrs
AST 3722C Observational Astronomy 3 hrs

Choose two of the following:
UCF Degree Programs

AST 3110 Solar System Astronomy 3 hrs
AST 3211 Stellar Astrophysics 3 hrs
AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives 6 hrs
Courses at a 3000 level or higher, approved by the Physics Department.
Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

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

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:
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

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
Chem test See catalog 0
Math test See catalog 0

Freshman Year
Fall
ANT 2000* req# 1D2-GEP 3
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geo I 4
CHM 2045C Chemistry Fund I 4

Spring
ENC 1102 Composition II 3
PHY 2048 Phy for Eng Sci I 3
CHM 2046 Chemistry Fund II 4
CHM 2046L Chemistry Fund L 1
MAC 2312 Calc Anal Geo II 4

Sophomore Year
Fall
COP 3223 Intro to Proc C 3
HUM 2101* req# 1B1-GEP 3
SPC 1016 Fund Tech Presntn 3
MAC 2313 Calc Anal Geo III 4
PHY 2049 Phy for Eng Sci II 3

Spring
MUL 2010* req# 1B2-GEP 3
MAP 2302 Diff Equations 3
PHY 3101 Phy Eng Sci III 3
PHY 3802L Int Physics L 3
PHZ 3113 Intro Ther Meth of 3

3. Core (6 hrs)
1. Select POS 2041 3 hrs
2. Select from GEP D.2 list 3 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
POS 2041 American National Government 3 hrs
POS 3703 Scope & Methods of Pol Sci 3 hrs
*See Transfer Notes for possible substitutes

3. Upper Division Restricted Electives (30 hrs)
Choose one of the following emphases

Emphasis 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

Emphasis 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.
Emphasis 3: Prelaw
Please see Political Science - Prelaw for the emphasis requirements.

Emphasis 4: International Studies
Please see Political Science - International Studies for the emphasis requirements.

AREAS OF SPECIALIZATION

A. American Politics and Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
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<tr>
<td>POS 3112</td>
<td>State Government &amp; Public Policy</td>
</tr>
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<td>POS 3173</td>
<td>Southern Politics</td>
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<td>POS 3182</td>
<td>Florida Politics</td>
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<td>POS 3233</td>
<td>Public Opinion</td>
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<td>POS 3235</td>
<td>Mass Media and Politics</td>
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<tr>
<td>POS 3258</td>
<td>Politics in Film</td>
</tr>
<tr>
<td>POS 3273</td>
<td>Voting and Elections</td>
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<tr>
<td>POS 3413</td>
<td>The American Presidency</td>
</tr>
<tr>
<td>POS 3424</td>
<td>Congress and the Legislative Process</td>
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<tr>
<td>POS 3443</td>
<td>Political Parties and Processes</td>
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<tr>
<td>POS 3463</td>
<td>Interest Groups</td>
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<tr>
<td>POS 3627</td>
<td>Cultural Pluralism and the Law</td>
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<td>POS 4074</td>
<td>Latino Politics</td>
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<td>POS 4142</td>
<td>Presidential Campaigning</td>
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<td>POS 4603</td>
<td>American Constitutional Law I</td>
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<td>POS 4604</td>
<td>American Constitutional Law II</td>
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<td>Minorities in American Politics</td>
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<td>Women and Political Behavior</td>
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<td>POS 4404</td>
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<td>POS 4503</td>
<td>Government and Science</td>
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<td>POS 4602</td>
<td>Politics of Health</td>
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<td>POS 4744</td>
<td>Government and Business</td>
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<tr>
<td>POS 4931</td>
<td>Topics in Public Policy</td>
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B. International Relations and Comparative Government

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<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
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<td>CPO 3104</td>
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<td>CPO 3122</td>
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<td>CPO 3403</td>
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<td>International Political Economy</td>
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<tr>
<td>INR 4060</td>
<td>Causes of War</td>
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<tr>
<td>INR 4064</td>
<td>Changing Nature of War</td>
</tr>
<tr>
<td>INR 4074</td>
<td>Immigration Policy</td>
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<tr>
<td>INR 4075</td>
<td>Human Rights Policy</td>
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<tr>
<td>INR 4076</td>
<td>Global Drug Policy</td>
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<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
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<td>INR 4102</td>
<td>American Foreign Policy</td>
</tr>
<tr>
<td>INR 4104</td>
<td>Topics and Cases in American Foreign Policy</td>
</tr>
<tr>
<td>INR 4114</td>
<td>American Security Policy</td>
</tr>
<tr>
<td>INR 4115</td>
<td>Strategic Weapons and Arms Control</td>
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<tr>
<td>INR 4224</td>
<td>Contemporary International Politics of Asia</td>
</tr>
<tr>
<td>INR 4225</td>
<td>The Vietnam War</td>
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<tr>
<td>INR 4243</td>
<td>International Politics of Latin America</td>
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<tr>
<td>INR 4350</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>INR 4364</td>
<td>The Intelligencer Community</td>
</tr>
<tr>
<td>INR 4304</td>
<td>Issues in International Public Policy</td>
</tr>
</tbody>
</table>

INR 4335: 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
POS 3253: Contemporary Revolution & Political Violence
PUP 3508: Space Studies
INR 4351: International Environmental Law
PUP 4510: Space Policy

C. Political Theory

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</td>
</tr>
<tr>
<td>POS 4206</td>
<td>Political Psychology</td>
</tr>
<tr>
<td>POT 3204</td>
<td>American Political Thought</td>
</tr>
<tr>
<td>POT 3302</td>
<td>Modern Political Ideologies</td>
</tr>
<tr>
<td>POT 4003</td>
<td>Political Theory</td>
</tr>
<tr>
<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern Political Philosophy</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>POT 4066</td>
<td>Contemporary Political Theory</td>
</tr>
<tr>
<td>POT 4109</td>
<td>Politics and Literature</td>
</tr>
<tr>
<td>POT 4305</td>
<td>The State, Society, and the Individual</td>
</tr>
<tr>
<td>POT 4314</td>
<td>Contemporary Democratic Theory</td>
</tr>
<tr>
<td>PUP 4414</td>
<td>Marxist Political Theory</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics</td>
</tr>
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</table>

5. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703

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 internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

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:
- POS 2041* and POS 3703*: State mandated Common Program Prerequisite allow a student to enter the major with any six hours of introductory Political Science classes with a POS, INR, or CPO prefix. However, both POS 2041 and POS 3703 are course prerequisites for subsequent courses in the major, and other classes will not substitute.

UCF Degree Programs
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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>AMH 2010 U S His 1492 1877</td>
<td>AMH 2020 U S His 1877 Pres</td>
</tr>
<tr>
<td></td>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td></td>
<td>MGF 1106* req# 1C1-GEPS</td>
<td>REL 2300* req# 1B3-GEPS</td>
</tr>
<tr>
<td></td>
<td>POS 2041 Amer National Gvt</td>
<td>SPC 1600* req# 1A3-GEPS</td>
</tr>
<tr>
<td></td>
<td>PSY 2012* req# 1D2-GEPS</td>
<td>STA 2014C Prin of Statistics</td>
</tr>
</tbody>
</table>

| Sophomore   | BSC 1005* req# 1E2-GEPS | POS 4244* req# 4A-ResElec |
|             | POS 4284* req# 4A-ResElec | POS 4603* req# 4A-ResElec |
|             | CPO 3103* req# 4B-ResElec | CPO 3034* req# 4B-ResElec |
|             | Elective* Check restrictions | Elective* Check restrictions |
|             | SPN 1120* req# Lang/Elec | SPN 1121* req# Lang/Elec |

| Junior Year | POT 3204* req# 4C-ResElec | POS 4604* req# 4A-ResElec |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |

| Senior Year | POT 3204* req# 4C-ResElec | POS 4604* req# 4A-ResElec |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |
|            | Elective* Check restrictions | Elective* Check restrictions |

**Political Science (B.A.) - International Studies Track**

College of Sciences, Political Science Department

CNH 415, 407-823-2608

http://www.cas.ucf.edu/politicalscience

E-mail: politics@ucf.edu

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.
- 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)

   - Communication Foundations: 9 hrs
   - Cultural and Historical Foundations:
     - 1. Prefer WOH 2012: 3 hrs
     - 2. Select from GEP B.2 list: 3 hrs
     - 3. Prefer WOH 2022: 3 hrs
   - Mathematical Foundations:
     - 1. Prefer MGF 1106 (may substitute a higher level math): 3 hrs
     - 2. Prefer STA 2014C or STA 2002C: 3 hrs
   - Social Foundations:
     - 1. Select POS 2041: 3 hrs
     - 2. Select from GEP D.2 list: 3 hrs
     - E. Science Foundations: 6 hrs

2. **Common Program Prerequisites**

   (3 hrs)

   - INR 2002* International Relations-Theory and Practice: 3 hrs
   - POS 2041* American National Government: 3 hrs

3. **Core Requirements**

   (18 hrs)

   - INR 2002 International Relations-Theory and Practice: 3 hrs
   - POS 2041 American National Government: 3 hrs
   - ECO 2013 Principles of Macroeconomics: 3 hrs
   - GEO 3471 World Political Geography: 3 hrs
   - IDS 4315 Global Perspectives: 3 hrs
   - CPO 3103 Comparative Politics: 3 hrs
   - POS 3703 Scope and Methods of Political Science: 3 hrs
   - INR 4603 International Relations Theory: 3 hrs

4. **Restricted Electives**

   (18 hrs)

   - Note: Students must meet all prerequisites before taking these classes.

   **Regional:** 9 hrs

   - CPO 3034 Politics of Developing Areas
   - CPO 3104 Politics of Western Europe
   - CPO 3403 Politics of the Middle East
   - CPO 3614 Politics of Eastern Europe
   - CPO 4062 Comparative Judicial Process
   - CPO 4074 Political Economy
   - CPO 4104 European Union Politics
   - CPO 4101 Politics of European Union
   - CPO 4123 Government and Politics of Great Britain
   - CPO 4503 Comparative Latin American Politics
   - CPO 4553 Politics of Japan
   - CPO 4643 Government and Politics of Russia
   - CPO 4710 Women in Comparative Politics
   - CPO 5334 Contemporary Politics of the Mayan Region
   - POS 3253 Contemporary Revolution and Political Violence

   **Functional:** 9 hrs

   - INR 3253 International Politics of Africa
   - INR 4030 Diplomacy
   - INR 4074 Immigration Policy
   - INR 4075 Human Rights Policy
   - INR 4076 Global Drug Policy
   - INR 4304 Issues in International Public Policy
   - INR 4364 The Intelligence Community
   - INR 4714 Politics of International Trade Policy
   - INR 4364 The Intelligence Community
   - INR 4603 International Relations Theory
   - INR 4035 International Political Economy
   - INR 4065 Women, Gender, and Globalization
   - INR 4102 American Foreign Policy
   - INR 4104 Topics in Amer Foreign Policy
   - INR 4114 American Security Policy
   - INR 4115 Strategic Weapons and Arms Control
   - INR 4224 Contemporary International Politics of Asia
   - INR 4243 International Politics of Latin America
   - INR 4304 Issues in International Public Policy
   - INR 4335 Coercion in International Politics
   - INR 4351 International Environmental Law
   - INR 4401 International Law I
   - INR 4402 International Law II
   - INR 4404 Space Law
   - INR 4502 International Organizations
   - INR 4941 Internship (a maximum of 3 hours)
   - PUP 4503 Government and Science
   - PUP 4503 Government & Science
   - PUP 4510 Space Policy

   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, Latin American Studies, Middle East Studies, or Spanish. **Note:** No more than one course may be used to fulfill both this track and the minor.

6. **Departmental Exit Requirements**

   - Maintain a minimum GPA of 2.0 in the major
   - Computer Competency met by POS 3703

7. **Foreign Language Requirements**

   (0-11 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.

8. **Electives**

   (variable)
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: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

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:
- POS 2041* and INR 2002*: Although state mandated CPP courses may accept six hours of introductory Political Science classes, both POS 2041 and INR 2002 are required in the major.

POLITICAL SCIENCE - PRELAW TRACK (B.A.)

College of Sciences, Political Science Department
CNH 415, 407-823-2608
http://www.cas.ucf.edu/politicalscience
E-mail: politics@ucf.edu
R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- 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
   - Select ENC 1101, ENC 1102 6 hrs
   - Select SPC 1600 3 hrs

B. Cultural and Historical Foundations
   - Prefer AMH 2010 3 hrs
   - Prefer AMH 2020 3 hrs
   - Select from GEP B.2 list 3 hrs

C. Mathematical Foundations 6 hrs

2. Core
   - POS 2041 American National Government 3 hrs
   - POS 2041* American National Govt
   - POS 3703 Scope & Methods of Pol Sci 3 hrs
   - See Transfer Notes for possible substitutes

3. Science Foundations
   - CHE 1410 General Chemistry I 4 hrs
   - CHE 1410L General Chemistry I Lab 1 hr
   - CHE 1420 General Chemistry II 4 hrs
   - CHE 1420L General Chemistry II Lab 1 hr

4. Upper Division Restricted Electives (30 hrs)

5. Departmental Exit Requirements

6. Foreign Language Requirements
   - A 2.0 UCF GPA
   - Contact the Department of Modern Languages and Literatures or Judaic Studies to determine your needs
   - Must meet pass level in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies
   - No more than 9 hours of summer credit (if applicable)

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 Managerial Accounting
- ACG 2071 Principles of Financial Accounting
- BUS 3320 Business Law I & II
- PLA 3104 Legal Research
- PLA 3155 Legal Writing
- PHI 2101 Critical Thinking
- MHF 3302 Logic and Proof in Mathematics
- ENC 3241 Writing for the Technical Professional
- ENC 3250 Professional Writing
- LIN 4100 History of the English Language
- PLA 3104 Legal Writing

For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 72 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

Transfer Notes:
UCF Degree Programs

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS 3703*: State mandated Common Program Prerequisite allow a student to enter the major with any six hours of introductory Political Science classes with a POS, INR, or CPO prefix. However, both POS 2041 and POS 3703 are course prerequisites for subsequent courses in the major, and other classes will not substitute.

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

Freshman Year
Fall
AMH 2010 U S His 1492 1877 3
ENC 1101 Composition I 3
MGF 1106* req# 1C-GE 3
POS 2041 Amer National Gvt 3
PSY 2012* req# 1D-GE 3
Spring
AMH 2020 U S His 1877 Pres 3
ENC 1102 Composition II 3
REL 2302* req# 1B-GE 3
SOP 1600* req# 1A-GE 3
STA 2014C Prin of Statistics 3

Sophomore Year
Fall
BSC 1005* req# 1E2-GE 3
POS 4284 Jud Process Pol 3
CPO 3101* req# 2B-RE 3
Elective* Check restrictions 3
SPH 1120* req# Lang/Elect 4
Spring
BSC 1121* req# 1E1-GE 3
POS 4604* req# 1A-RE 3
Elective* Check restrictions 3
SPH 1121* req# Lang/Elect 4

Junior Year
Fall
POS 2042* req# 2-GE 3
POS 3231* req# 2A-RE 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Spring
POS 3173* req# 4AR-RE 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year
Fall
POS 3122* req# 4C-RE 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Spring
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

PSYCHOLOGY (B.A.)
College of Sciences, Psychology Department
PH 302B, 407-823-2216
http://www.psych.ucf.edu/
E-mail: psychology@ucf.edu
R. Dipboye, 407-823-2216
Chair: R. Dipboye, 407-823-2216

Psychology Advising Center: PH 305G 407-823-2219

Students majoring in Psychology as the foundation of a Liberal Arts degree will probably find the BA option an appropriate degree. Not open to BS Psychology majors.

Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with the Department Director of Undergraduate Advising HPH 305g, prior to applying for gradua-

tion (before registration for the final term).
- Graduating seniors should complete the senior exit survey.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in Psychology:
Additional Requirements (6 hrs)
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Application and admission through the department.
- Fulfill University requirements for Honors in the Major.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0).
- Have an overall UCF GPA above 3.2.
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

1. UCF General Education Program (36 hrs)
- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 3 hrs
- 1. Prefer MGF 1106 (may substitute a more advanced math) 3 hrs
- 2. Select STA 2023 or STA 2014C 3 hrs
- D. Social Foundations 3 hrs
- 1. Select one of the listed choices 3 hrs
- 2. Select PSY 2012 3 hrs
- E. Science Foundations 3 hrs
- 1. Select BSC 1005 or BSC 2100C 3 hrs
- 2. Select one of the listed choices 3 hrs

*See Transfer Notes for possible substitutions.

2. Common Program Prerequisites (3 hrs)
- BSC 1005* Biological Principles or BSC 2100C 3 hrs
- PSY 2012* General Psychology 3 hrs
- POS 2042* Developmental Psychology 3 hrs
- STA 2023* Statistical Methods I or STA 2014C 3 hrs
- GEP

*See Transfer Notes for possible substitutes.

3. Core requirements (10 hrs)
- PSY 3202 Physiological Psychology 3 hrs
- PSY 313C Research Methods 4 hrs
- BSC 1005 or BSC 2100C Biology 3 hrs
- GEP
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods or STA 2014C 3 hrs
- GEP

Select one course
- EXP 3404 Basic Learning Processes 3 hrs
- EXP 3204 Perception 3 hrs
- EXP 3604 Cognitive Psychology 3 hrs
- PSB 3441 Psychobiological Aspects of Drugs 3 hrs
- PSB 4240C Brainwaves and Behavior 3 hrs
- PSY 3302 Psychological Measurement 3 hrs

4. Restricted Electives (12 hrs)
- Select two of the following 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- PPE 3003 Personality Theory 3 hrs
- SOP 3004 Social Psychology 3 hrs
- Select six additional upper division hours in Psychology 6 hrs

5. Diversity courses (9 hrs)
- Take three diversity courses: one from A, one from B, and one from either A or B.
- A. Psychology Diversity courses
  - CLP 3154 Women's Mental Health 3 hrs
  - DEP 3464 Psychology of Aging 3 hrs
  - SOP 3723 Cross Cultural Psychology 3 hrs
  - SOP 3724 Psychology of Racial Prejudice 3 hrs
  - SOP 3742 Psychology of Women 3 hrs
  - SOP 2772 Sexual Behavior 3 hrs
  - SOP 3764 Psychology of Diversity 3 hrs

- B. General Diversity courses
- Select from courses outside the Psychology Department that focus on gender, class, or minority issues: AMH 3421, AMH 3423, AMH 3561, AMH 3562, AMH 3571, AMH 3572, AMH 3586, AML 3283, AML 3614, AML 3615, AML 3682, AML 3640, AML 4021, ANT 3302, ANT 3304, ANT 3305, ANT 3311, ANT 3313, ANT 3322, ANT 3363, ANT 3541, ANT 3640, ARH 3520, ASH 4304, ASH 4404, ASH 4422, CCJ 4463, CCJ 4570, CJE 4174, CLA 3851, COM 4104, COM 4461; CPO 3403, EUH 4576; FIL 3300; GEO 3471; GY 3001, HSC 4564; HUM 3302, HUM 3410, HUM 3411, JST 3401, JST 3402, LAH 3130, LAH 3200, LAH 3400, LAH 5713, LIN 4643; LIT 3383, LIT 3192; MMC 4300; NUR 3805, NUR 3616, PAD 4466; PHI 3022, PHI 3033, PHE 3123; PLA 4020, PLA 4830; POS 4246, POS 4622; PUB 3314, PUB 3314...
6. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each psychology course used for major
- Maintain a minimum overall psychology GPA of 2.0
- Complete Competency met by PSY 3213C

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 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: Sociology, Anthropology, Statistics, Criminal Justice
Related Minors: Psychology, Sociology, Anthropology, Math, Statistics
Certificates: Aging Studies, Behavioral Forensics
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:
  - BSC 1005*: any lower level BSC course or ZOO X010.
  - Although CPP permit any psychology course, PSY 2012* is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.
  - Although CPP permit any statistics course, STA 2023* or STA 2014C is a prerequisite for subsequent Psychology courses and will need to be taken for the major.
  - DEP 2004*: any lower level psychology course.

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 major requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
BSC 1005 Bio Principles 3
ENC 1101 Composition I 3
MGF 1106* req# 1IC-1GEP 3
POST 2041* req# 1ID1-GEP 3
PSY 2012 General Psychology 3

Spring
ENC 1102 Composition II 3
PSC 1121* req# 1E1-GEP 3
REL 3300P* req# 1B2-GEP 3
SPC 1016* req# 1A3-GEP 3
DEP 2004* Dev Psychology 3

Sophomore Year
Fall
AMH 2010* req# 1B1-GEP 3
MUL 2010* req# 1B3-GEP 3
STA 2022* Stat Methods I 3
SOP 2772* req# SA-Diver 3

Spring
PSY 3213C Res Meth in Psych 4
PPE 3003* req# 4-ResEII 3
SYD 3800* req# SB-Diver 3
SPN 1121* req# Lang/Elect 4

Junior Year
Fall
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year
Fall
CLP 3143* req# 4-ResElect 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
CLP 3302* req# 4-ResElect 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

PSYCHOLOGY (B.S.)
College of Sciences, Psychology Department
PH 302B, 407-823-2216
http://www.psych.ucf.edu/
E-mail: psychology@ucf.edu
R. Dipboye, 407-823-2216
Psychology Advising Center; PH 305 G, 407-823-2219
Students who desire a quantitative background in statistics, math, and science are encouraged to complete the program of study leading to the BS degree. Not open to BA Psychology majors.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising HPH 305g, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Courses designed in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Honors in Psychology:
Additional Requirements (6 hrs)
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology
- Application and admission through the department
- Fulfill University requirements for Honors in the Major
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0)
- Have an overall UCF GPA above 3.2
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

1. UCF General Education Program (36 + 1 hrs)
(Note: Certain courses must be selected in the GEP for this major bringing the total GEP hours to more than 36)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
  1. Prefer MGF 1106 (may substitute a more advanced 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 BSC 2010C (or BSC 1005 if no additional Biology courses are planned) 4 hrs
  2. Select one of the listed choices 3 hrs

*See Transfer Notes for possible substitutions
2. Common Program Prerequisites (3 hrs)
   - BSC 2010C* Biology I or
   - PSY 2012* General Psychology
   - PSY 2004* Developmental Psychology
   - STA 2023* Statistical Methods I or STA 2014C

*See Transfer Notes for possible substitutes

3. Core requirements (14 hrs)
   - BSC 2010C Biology I (or BSC 1005) GEP
   - PSY 3002 Psychological Psychology 3 hrs
   - PSY 2012 General Psychology GEP
   - PSY 2103 Research Methods in Psych 4 hrs
   - PSY 4213C Advanced Research Methods GEP
   - STA 2023 Statistical Methods or STA 2014C

Select one course
   - EXP 3404 Basic Learning Processes 3 hrs
   - EXP 3204C Perception
   - EXP 3604C Cognitive Psychology
   - PSY 3441 Psychological Aspects of Drugs
   - PSY 3422 Brainwaves and Behavior
   - PSY 4240C Neuropsychology
   - PSY 3302 Psychological Measurement

4. Restricted Electives (12 hrs)
   A. Select two of the following: 6 hrs
      - DEP 2004 Developmental Psychology
      - PFE 3003 Personality Theory
      - SOP 3004 Social Psychology
   B. Psychology electives: select six additional upper division hours 6 hrs

5. Diversity courses (6 hrs)
   Take two diversity courses - one from A & one from B
   A. Psychology Diversity courses 3 hrs
      - CLP 3184 Women's Mental Health
      - DEP 3464 Psych of Aging
      - SOP 3723 Cross Cultural Psychology
      - SOP 3724 Psych of Racial Prejudice
      - SOP 3742 Psych of Women
      - SOP 2772 Sexual Behavior
      - SOP 3784 Psychology of Diversity
   B. General Diversity courses 3 hrs
      Select from courses outside the Psychology department that focus on gender, class, or minority issues: AMH 3421, AMH 3423, AMH 3561, AMH 3562, AMH 3571, AMH 3572, AMH 3585; AML 326, AML 3214, AML 3615, AML 362, AML 3640, AML 4261; ANT 3241, ANT 3245, ANT 3302, ANT 3311, ANT 3313, ANT 3332, ANT 3363, ANT 3541, ANT 3640; AR 3520; ASH 4304, ASH 4404, ASH 4442; CCJ 4463, CCJ 4670; CJE 4174; CLA 3851; COM 4014, COM 4461; COP 4030; CPE 4678; EXP 3409; GEO 3471; GY 3003; HSC 4564; HUM 3320; HUM 3401; HUM 3419; JST 3401, JST 3402; LAH 3130; LAH 3200; LAH 3400, LAH 5713; LIN 4643; LT 3383; LIT 3192; MEC 4300; NUR 3805, NUR 3616; PAD 4446; PHI 3022; PHI 3033; PHM 3123; PLA 4830; PPE 3003; PUP 3314; PUP 4243; QAL 3512; SOL 3620; SPA 4612, SPA 4613; SPW 4772, SYD 3700; SYD 3750, SYD 3751, SYD 3800; SVP 4323, SVP 4730, SYD 4734, SYD 4810, SYD 4813, THE 3230; WST 3015.

6. Science Electives (12 hrs)
   A. Select at least six credits outside Psychology from:
      (See course listing for prerequisites)
      - CFS 2100C Computer Fundamentals of Business
      - CFS 3006 Computer Science I
      - CFS 3006 Computer Science II
      - ENC 3241 Writing for the Technical Professional or
      - ENC 3211 Theory and Practice of Technical Writing
      - ENC 3420 Technical Writing Style
      - MAC 2233 Concepts of Calculus
      - MAC 2253 Applied Calculus I
      - MAC 2254 Applied Calculus II
      - PCB 3063 & L Genetics with lab
      - PCB 3703C Human Physiology
      - STA 4102 Computer Process of Stat Data
      - STA 4160 Statistical Methods II
      - ZOO 3733C Human Anatomy
   B. Select at least two of the following: 5-8 hrs
      - EXP 3204 Perception
      - EXP 3604C Cognitive Psychology
      - EXP 4507C Advanced Human Memory and Cognition
      - PSY 3441 Psychological Aspects of Drugs
      - PSY 3422 Brainwaves and Behavior
      - PSY 4240C Neuropsychology
      - PSY 3302 Psychological Measurement
      - PSY 3320C Survey Methods in Psychology

7. Departmental Exit Requirements
   - Maintain a grade of "C" (2.0) or better in each psychology course
   - Computer Competency met by PSY 3213C

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: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

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:
- 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.

Although CPP permit any psychology course, PSY 2012 is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.

Although CPP permit any psychology course STA 2023 or STA 2014C is a prerequisite for subsequent Psychology courses and will need to be taken for the major.

DEP 2004: any lower level psychology course.

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

Freshman Year
Fall
- ARH 2050* req# 1B3-GEP 3
- ENC 1201* Composition I 3
- MGT 1106* req# 1C1-GEP 3
- PSC 1121* req# 1E1-GEP 3
- PSY 2012 General Psychology 3
- STA 2014C* Prin of Statistics 3

Spring
- ARH 2050* req# 1B3-GEP 3
- ENC 1201* Composition I 3
- MGT 1106* req# 1C1-GEP 3
- PSC 1121* req# 1E1-GEP 3
- PSY 2012 General Psychology 3
- STA 2014C* Prin of Statistics 3

Sophomore Year
Fall
- ARH 2050* req# 1B1-GEP 3
- ENC 1202* Composition II 3
- MGT 1106* req# 1D1-GEP 3
- PSC 1121* req# 1E3-GEP 3
- PSY 2012 General Psychology 3
- STA 2014C* Prin of Statistics 3

Spring
- ARH 2050* req# 1B2-GEP 3
- ENC 1202* Composition II 3
- MGT 1106* req# 1D2-GEP 3
- PSC 1121* req# 1E3-GEP 3
- PSY 2012 General Psychology 3
- STA 2014C* Prin of Statistics 3

Graduation:
Maintain a minimum overall psychology GPA of 2.0
A maximum 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).

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

Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

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:
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.

Although CPP permit any psychology course, PSY 2012 is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.

Although CPP permit any psychology course STA 2023 or STA 2014C is a prerequisite for subsequent Psychology courses and will need to be taken for the major.

DEP 2004: any lower level psychology course.
SPN 1120 req/ Lang/Elect 4

Junior Year

Fall
PSB 3002 Phys Psychology 3
SOP 3724* req/ 5A-Diver 3
SYD 3700* req/ 5B-Diver 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
EXP 3204C* req/ 6B-Sci 3
ZOO 3733C* req# 6A-Sci 4
CLP 3302* req/ 4-ResElect 3
Elective* Check restrictions 2

Senior Year

Fall
EXP 3204C* req/ 6B-Sci 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
PSY 3002 Phys Psychology 3
SPN 1120* req/ Lang/Elect 4
PSY 4215C Adv Res Meth Psych 4
CLP 3143* req/ 4-ResElect 3

PUBLIC ADMINISTRATION (B.A., B.S.)
College of Health and Public Affairs
HPA2 238, 407-823-2604
http://www.cohpa.ucf.edu/pubadm/
Chair: Dr. Mary Ann Feldheim
Undergraduate Coordinator: Mr. Robert Morin
Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring to the Florida Public University/College System.
- Students should consult with a departmental advisor on a regular basis.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College and should be completed as a Common Program Prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- All other PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher within the restricted elective area;
- 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).

5. Departmental Exit Requirements

The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisite courses and in all Core Requirements (see sections 2 and 3 above). An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3 and 4).

6. B.A./B.S. Option 6 hrs)

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

7. Foreign Language Requirements (0-8 hrs) Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. University Minimum Exit Requirements

A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

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 3
Economics I (ECO 2013) or any Macroeconomics course 3
American National Government (POS 2041) or any course in American National Government 3

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 or SYG 2000 3
One Course: ARH 2050, 
 or ANT 2000
 or CHM 1020 or PSC 1121
 or AST 2002
 or Elective 3
PAF 2102 2

Sophomore Year

Fall 15 hrs Spring 15 hrs
SPC 1600 3 SPC 2003 3
EUH 2000 or HUM 2210 3 EUH 2001 or WOH 2022 3
or AMH 2010 or WOH 2012 or or HUM 2230 or
AMH 2012 3 AMH 2020 3
ECO 2013 3 Elective 3
BSC 1015 or MBM 1310 3 Elective 3
or GLY 1030 or GEO 1200 or or Elective 3
or ANT 2511 3 Elective 3
Junior Year

Fall 15 hrs Spring 15 hrs
Elective 3
## UCF Degree Programs

### RADIO-TELEVISION (B.A.)

**Nicholson School of Communication**

**COM 238, 407-823-2681**

**http://www.cas.ucf.edu/communication**

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

**Contact:** M.A. Shaver

**Admission Requirements - Limited Access**

- 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

- Submit an overall minimum 2.14/4.00 GPA or 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 from a minimum of 2.9.

- Meet a grammar proficiency standard

- Receive a positive evaluation of other factors specified by the School.

**Degree Requirements**

- Students who change degree programs 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 Science).

- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 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

- All students are required to pay a fee for equipment insurance

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
<th>15/16 hrs</th>
<th>Spring</th>
<th>15/16 hrs</th>
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<td>(Foreign Lang II) or B.S. option</td>
<td>3/4</td>
<td></td>
</tr>
</tbody>
</table>

### 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 American Humanities, and also offers a certificate in Nonprofit Management.

### 4. Specialization: Select one area

#### 4.1 Production

(18 hrs)

- Select 12 hours from the following:
  - RTV 3210C Audio Production I
  - RTV 3229C Studio Production
  - RTV 3232C Lighting for Video
  - RTV 3260C Single Camera Video Prod. & Edit
  - RTV 3263C Advanced Video Post-Production
  - RTV 3280C Production of Int. Multimedia
  - RTV 3942L Practicum
  - RTV 4211C Audio Production II
  - RTV 4280C Webcasting I
  - RTV 4281C Webcasting II
  - RTV 4206C Television Directing
  - RTV 4270C Radio Production & Programming
  - RTV 4941 Internship

#### 4.2 Broadcast Journalism

(18 hrs)

- Select 12 hours from the following:
  - RTV 3260C Single Camera Video Prod. & Edit
  - RTV 3301 Electronic Journalism I
  - RTV 3304 Electronic Journalism II
  - RTV 4300 Television News
  - MMC 4602 Contemporary Media Issues
  - JOU 3004 History of American Journalism

#### 4.3 Broadcast Generalist

(18 hrs)

- Select 6 hours from Group b.
  - ADV 4103 Radio-TV Advertising
  - CMC 4240 Corporate/Institutional Video
  - COM 3330 Computer-Mediated Comm.
  - MMC 4263 New Media Technologies

#### 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.

7. Foreign Language Requirements
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

8. Electives
- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. University Minimum Exit Requirements
- 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

Degree Requirements
- Students who change degree programs and select this major may adopt the most current catalog.
- Students must 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
- Communication Foundations 9 hrs
- Cultural Historical Foundations 9 hrs
- Mathematical Foundations 6 hrs
- Select MAC 1105*
- Select CGS 1060C
- Social Foundations 6 hrs
- Science Foundations 8 hrs
- Select PHY 2053C*

2. Common Program Prerequisites
- CGS 1060C Introduction to Computer Science GEP
- PCB 3113* Human Physiology 4 hrs
- PHY 2053C* College Physics I GEP
- PHY 2054C College Physics II 4 hrs
- ZOO 3733C* Human Anatomy 4 hrs
- MAC 1105* College Algebra GEP

* See Transfer Notes

3. Core Requirements
- 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 Care 2 hrs
- RTE 3418C Principles of Radiographic Exposure I 3 hrs
- RTE 3930 ST: Clinical Education I 2 hrs
- RTE 3513C Radiographic Procedures II 3 hrs
- RTE 3457C Principles of Radiographic Exposure II 3 hrs
- RTE 3364C Physics of Image Production 2 hrs
- RTE 3308 Medical Physics 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- HSC 4550 Pathophysiologic Mechanisms 3 hrs
- RTE 3930 ST: Clinical Education II 4 hrs

- Senior Level
- RTE 4563 Special Radiographic Procedures 2 hrs
- RTE 4782 Pathophysiology 2 hrs
- RTE 4932 ST: Clinical Education III 5 hrs
- RTE 4573 Advanced Imaging Modalities 3 hrs
- RTE 4XXX Computed Tomography Protocols or 1 hr
- RTE 4XXX Mag Resonance Imaging Protocols 1 hr
- RTE 4932 ST: Clinical Education IV 6 hrs
- RTE 4385 Radiobiology 1 hr
- RTE 4932 ST: Clinical Education V - A 2 hrs
- RTE 4932 ST: 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 4932 ST: Advanced Clinical Practicum 4 hrs

4. Program Exit Requirements
- 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).
UCF Degree Programs

6. Electives

| None |

7. Foreign Language Requirements

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

Graduation: none

8. 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
Related Minors: 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 Registered Technologists who demonstrate advanced knowledge and competencies beyond the level required for entry into the professional. 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. Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Community College Equivalents:

Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2095C and BSC 2094C) 8
College Algebra (MAC 1115) OR (MAC 1103) 3
College Physics I (PHY 2053C) 4
College Physics II (PHY 2054C) 4
Introduction to Computer Science (CGS 1060C) OR CGS X100, CGSX570, CIS X400, CIS X000, CGS X000, CGS X001, CGS X661(no longer offered), CGS X100 3

Tentative Course Schedule for Entering Freshmen

RADIOLOGIC SCIENCES

Freshman Year*

<table>
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<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
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<td>CHM 1032</td>
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<td>ECO 2013 or POS 2041 or ECO 2023 MUL 2010 or THE 2000 or REL 2300 or PHI 2010 or ARH 2300 or FIL 2400</td>
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Sophomore Year

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<th>Spring</th>
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<td>PHY 2053C</td>
<td>4</td>
<td>PCB 3703C</td>
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<tr>
<td>ZOO 3733C</td>
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<td>EHU 2000 or HUM 2210</td>
<td>4</td>
<td>PHY 2054C</td>
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<td>or AMH 2010</td>
<td>3</td>
<td>EU20001</td>
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<td>PSY 2012 or SYG 2000 or ANT 2000</td>
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<td>HUM 2230 or AMH 2020</td>
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Junior Year

<table>
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<tr>
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<th>16 hrs</th>
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<tr>
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<td>RTE 3457C</td>
<td>3</td>
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<td>3</td>
<td>RTE 3970</td>
<td>4</td>
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<td>RTE 3418C</td>
<td>3</td>
<td>RTE 3513C</td>
<td>3</td>
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<td>3</td>
<td>HSC 4550</td>
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<td>RTE 3684C</td>
<td>3</td>
<td>RTE 3116</td>
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<td>RTE 3930</td>
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Summer

<table>
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<tr>
<th>13 hrs</th>
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<tbody>
<tr>
<td>STA 2023</td>
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<tr>
<td>RTE 4932</td>
</tr>
<tr>
<td>RTE 3308</td>
</tr>
<tr>
<td>RTE 4563</td>
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Senior Year

<table>
<thead>
<tr>
<th>14 hrs</th>
<th>14/12 hrs</th>
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<tbody>
<tr>
<td>RTE 4385</td>
<td>1</td>
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<tr>
<td>RTE 4762</td>
<td>3</td>
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<td>RTE 4824L</td>
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<td>RTE 4573</td>
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<tr>
<td>RTE XXXX</td>
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Summer

<table>
<thead>
<tr>
<th>4/6 hrs</th>
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<tbody>
<tr>
<td>RTE 4932</td>
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</table>

**Completed during the Spring or Summer semester/term.

RADIOLOGIC SCIENCES (B.S.)

AS to BS TRACK

Note: For detailed information about this program, see description in the Articulated AS to BS Program section.

REAL ESTATE (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

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

Admissions Requirements

- Completion of the UCF General Education Program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program

<table>
<thead>
<tr>
<th>A. Communications Foundations</th>
<th>36 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1600</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1601</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Choose any 3 courses from ECO 3401</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Choose any 3 courses from CGS 2100CC</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Choose any 3 courses from CGS 2100CC</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Choose any 3 courses from ECO 2013 or ECO 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one: PSY 3122, SYG 2000, ANT 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Choose any 3 courses from ECO 3401</td>
<td>3 hrs</td>
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2. Common Program Prerequisites

- Must be completed with a “C” (2.0) or better.

   A. Principles of Microeconomics
   B. Principles of Macroeconomics
   C. Principles of Managerial Accounting
   D. Principles of Managerial Accounting
   E. Principles of Managerial Accounting
   F. Principles of Managerial Accounting
   G. Principles of Managerial Accounting
   H. Principles of Managerial Accounting
   I. Principles of Managerial Accounting
   J. Principles of Managerial Accounting
   K. Principles of Managerial Accounting
   L. Principles of Managerial Accounting
   M. Principles of Managerial Accounting
   N. Principles of Managerial Accounting
   O. Principles of Managerial Accounting
   P. Principles of Managerial Accounting
   Q. Principles of Managerial Accounting
   R. Principles of Managerial Accounting
   S. Principles of Managerial Accounting
   T. Principles of Managerial Accounting
   U. Principles of Managerial Accounting
   V. Principles of Managerial Accounting
   W. Principles of Managerial Accounting
   X. Principles of Managerial Accounting
   Y. Principles of Managerial Accounting
   Z. Principles of Managerial Accounting

3. Required for All Business Majors

<table>
<thead>
<tr>
<th>30 hrs</th>
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<tbody>
<tr>
<td>First or subsequent semester in the College of Business Administration:</td>
</tr>
<tr>
<td>GEB 3031</td>
</tr>
<tr>
<td>GEB 3556</td>
</tr>
<tr>
<td>BUL 3130</td>
</tr>
<tr>
<td>ECO 3411</td>
</tr>
<tr>
<td>FIN 3403</td>
</tr>
<tr>
<td>MAN 3025</td>
</tr>
</tbody>
</table>
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 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major.
- FIN 3403 is included in this requirement.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2104</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3042</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
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</table>

6. Restricted Electives (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>REE 3XXX</td>
<td>Environmental Law</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
</tr>
<tr>
<td>REE 4202</td>
<td>Residential Real Estate Finance</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development</td>
</tr>
<tr>
<td>REE 4XXX</td>
<td>Commercial Real Estate Finance</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
</tr>
<tr>
<td>FIN 4941</td>
<td>Internship</td>
</tr>
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</table>

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 hours

Majors who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941) and/or take the small business consulting class (MAR 5941). MAR 5941 cannot count as one of the three restricted electives required of marketing majors. For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department home page at: http://www.bus.ucf.edu/mar/.

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 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.
- 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.
- A minimum of 12 semester hours must be completed at UCF within each individual major.
- 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.

FOUR YEAR PLAN OF STUDY - REAL ESTATE

Freshman

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
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<tbody>
<tr>
<td></td>
<td>15 hrs</td>
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<tr>
<td>ENC 1101*</td>
<td>3</td>
<td>ENC 1102*</td>
</tr>
<tr>
<td>Cult-Hist I*</td>
<td>3</td>
<td>Cult-Hist II*</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
<td>Art/Music/Lit</td>
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<tr>
<td>**Elective</td>
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<td>**Elective</td>
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Sophomore

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<td>ECO 2013*</td>
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<tr>
<td>ACG 2021*</td>
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<td>ACG 2071*</td>
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<tr>
<td>Science</td>
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<td>Science</td>
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<tr>
<td>Psy/Soc/Ant</td>
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<td>FIN 2104</td>
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<tr>
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Junior

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<tr>
<td></td>
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<td>GBE 3356</td>
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<tr>
<td>REE 3043</td>
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<td>MAR 3023</td>
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<td>REE 3433</td>
<td>3</td>
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<tr>
<td>FIN 3403</td>
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Senior

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<td>MAN 4720</td>
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<tr>
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<tr>
<td>**General electives as required to reach 120 semester hours.</td>
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RELIGIOUS STUDIES (B.A.)

College of Arts and Humanities

http://www.cas.ucf.edu/philosophy/
E-mail: religion@mail.ucf.edu

Shaun Gallagher, 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 REL 2300 World Religions (3 hrs)
   C. Mathematical Foundations (6 hrs)
      Prefer MGF 1106 Finite Mathematics (May substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
   D. Social Foundations (6 hrs)
      E. Science Foundations (6 hrs)

2. Common Program Prerequisites
   Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
   a. Core (0 hrs)
      HUM 2210 Humanistic Traditions I
      HUM 2230 Humanistic Traditions II
      REL 2300 World Religions
   b. Foundations in the Study of Religion and the Humanities (9 hrs)
      Select two courses:
      (1) Religion
         PHI 3700 Philosophy of Religion
         REL 4110 Religion and the Arts
         REL 4121 Religion and Politics
         SYO 4200 Sociology of Religion
         REL 3131 Religion in America
         ANT 3241 Magic, Ritual, and Belief
      (2) Humanities and Classics
         HUM 3431 Ancient Humanities
         HUM 3435 Medieval Humanities
         HUM 3255 Modern Humanities
         HUM 3252 Contemporary Humanities
         CLA 3850 Classical Mythology
         CLA 3851 Comparative Mythology
   c. Traditions: Religion in a Global World (9 hrs)
      Select three courses, at least two must be from (1)
      HUM 3410 Asian Humanities
      HUM 3417 Hindu Thought and Culture
      HUM 3419 Islamic Thought and Culture
      HUM 3522 Christian Thought
      HUM 3535 Moses, Jesus, and Mohammed
      JST 3401 The Jewish People I
      JST 3402 The Jewish People II
      ANT 3245 Native American Religions
      REL 3340 Buddhist Thought
   d. Applications: Topics and Issues in the Study of Religion (6 hrs)
      Select two courses:
      REL 3162 Healing: Culture, Art, and Praxis
      HUM 4554 Religious Quest and the Human Dilemma
      HUM 4303 The Spiritual Ideal
      PHI 3033 Philosophy, Religion, and the Environment
      REL 3115 Religion, Spirituality, and Popular Music
      REL 3111 Religion and Philosophy through Film
      REL 3432 Roots of Western Mysticism
   e. 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):
      HUM 3320 Contemporary Multicultural Studies
      HUM 4301 The Classical Ideal
      HUM 4330 Performance Theory
      PHI 4321 Philosophy of Embodiment: Mind/Body/Self
      PHI 3638 Ethical Issues in the 21st Century
      PHI 4341 Ways of Knowing
      PHI 4804 Critical Theory
      PHP 3786 Existentialism
      AVL 3615 Harlem, Haiti, and Havana
      LIT 4374 Literature of the Bible
      LIT 3202 Death and Dying
      JST 3100 The Hebrew Creative Mind
      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
      ASH 3222 Islam and its Empires
      ASH 3232 The Modern Middle East
   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. Honors in the Major
   Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:
   a. Core and Elective Requirements (30 hrs)
      Same requirements as for regular majors
   b. Honors Thesis (6 hrs)
      REL 4903H Honors Directed Readings
      REL 4970H Honors Thesis
   c. Additional Requirements
      Application and admission through the Humanities Honors Coordinator and the Burnett Honors College
      Full 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
   6. Departmental Exit Requirements (3 hrs)
      Either REL 4970H: Honors Thesis (3 hrs) or REL 4910 Senior Research Seminar (3 hrs).
      Maintain a "B" (3.0) or better in both REL 4903H and REL 4970H
      Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5
   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. A 2.0 UCF GPA
      B. 60 semester hours earned after CLEP awarded
      C. 45 semester hours of upper division credit completed
      D. 30 of the last 36 hours of course work must be completed in residency at UCF
      E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
      F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
   Total Semester Hours Required 120 hrs

Related Programs: Philosophy, Humanities, Liberal Studies
Related Minors: Philosophy, Humanities, Judaic Studies, Religious Studies

Transfer Notes:
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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
ENC 1101 Composition I 3
HUM 2210 Humanistic Tradition I 3
MOF 1006 req* 1C2-GEP 3
REL 2300 World Religions 3
SPN 1120* req* Lang/Elect 4
Spring
ENC 1102 Composition II 3
HUM 2230 Humanistic Tradition II 3
STA 1060C* req* 1C2-GEP 3
REL 3131* req* 3b-Foundn 3
SPN 1121* req* Lang/Elect 4
Sophomore Year
Fall
ANT 2511 req* 1E1-GEP 3
PSY 2012* req* 1D2-GEP 3
HUM 2522* req* 4-ResElec 3
JST 3401* req* 3c-Tradtns 3
Spring
ANT 2512 req* 1E2-GEP 3
PSY 2013* req* 1D2-GEP 3
HUM 2523* req* 4-ResElec 3
JST 3402* req* 3c-Tradtns 3
RESTAURANT AND FOOD SERVICE MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu

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
      Select MAC 1105 College Algebra
      3 hrs
      Select CGS 2100CC Computer Fundamentals for Business or STA 2023 Statistical Methods I
      3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics
      3 hrs
      Or
      Select ECO 2023 Microeconomics
      3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000
      3 hrs
   E. Science Foundation
      6 hrs

2. Common Program Prerequisites (6 hrs)
   HFT 1000 Introduction to Hospitality Management
   3 hrs
   FSS 2211C Quantity Food Preparation
   3 hrs

3. Quantitative Tools
   CGS 2100CC Computer Fundamentals of Business
   or STA 2023
   Statistical Methods I
   (GEP)
   ECO 2013 Macroeconomics
   or ECO 2023 Microeconomics
   (GEP)
   MAC 1105 College Algebra
   (GEP)

4. Managerial Tools (25 hrs)
   HFT 2403 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 3600 Legal Environment in Hospitality
   3 hrs
   HFT 3431 Hospitality Managerial Accounting
   3 hrs
   HFT 3540 Guest Services Management
   3 hrs
   HFT 3261 Restaurant Management
   3 hrs
   HFT 3933 Distinguished Lectures in Hospitality Mgmt
   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. Restaurant Management Core (18 hrs)
   HFT 4286 Case Studies in Restaurant Management
   3 hrs
   HFT 4343 Hospitality Facilities, Planning and Design
   3 hrs
   FSS 3124 Supply and Procurement Management
   3 hrs
   FSS 4133 Corporate Contract & Managed Services Orgs
   3 hrs
   HFT 4266 Restaurant Brand Management
   3 hrs
   HFT 4281 Restaurant Leadership Strategies and Tactics
   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 (18 hrs)
   Choose any courses from the list below for a total of 18 credit hours
   FSS 3223C Intermediate Techniques of Food Production
   3 hrs
   HFT 3807 Multi-Unit Food Service Operations
   3 hrs
   FSS 4286 Catering and Banquet Organization
   3 hrs
   HFT 4645 Restaurant Real Estate, Site Selection and Modeling
   3 hrs
   HFT 4861C Beverage Management
   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 3654 Franchising in the Restaurant Industry
   3 hrs
   HFT 4281 Restaurant Leadership Strategies and Tactics
   3 hrs
   HFT 4453 Food, Beverage and Labor Cost Controls
   3 hrs
   FSS 2008 Culture and Society
   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
   HFT 4864C Seminar in Quality Brewing and Fine Beer
   3 hrs
   HFT 4866C Exploring Wines of the World
   3 hrs
   HFT 4844 Sanitation in the Food Service Industry
   3 hrs
   HFT 4462 Hospitality Industry Finance
   3 hrs
   HFT 4286 Hospitality Communications
   3 hrs
   HFT 4998 History of Wine and Culture
   3 hrs
   HFT 4894 International Gastronomy
   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
    - Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable).

11. Unrestricted Electives (6 – 14 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’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring at 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.

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 - En Comp I
3 Hrs
ENC 1102 - En Comp II
3 Hrs
Cult/His/Found Sequence I
3 Hrs
Cult/His/Found Sequence II
3 Hrs
CGS 2100CC or STA 2023
3 Hrs
HFT 3000 - Intro to Hosp Man
3 Hrs
FSS 2221C - Quant Food Prep
3 Hrs
PSY 2012, SYG 2000, or ANT 2000
3 Hrs
SCIENCE EDUCATION - BIOLOGY (B.S.)

College of Education

Department of Teaching and Learning Principles

ED 209

http://www.education.ucf.edu/
Program Coordinator: Dr. Aldrin Sweeney
ED 123-L, 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 GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examining (no alternatives or waivers are accepted).
- Complete prerequisite courses.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)
- ENC 1101 Composition I
- ENC 1102 Composition II

B. Cultural-Historical Foundations (9 hrs)
- Select an additional course

C. Mathematical Foundations (6 hrs)
- Select one:
  - STA 1060C Basic Statistics using MS Excel or STA 204C Principles of Statistics

D. Social Foundations (6 hrs)
- Select POS 2041 American National Government
- Select PSY 2012 General Psychology

E. Science Foundations (6 hrs)
- Select one:
  - Prefer PSC 1121 Physical Science
  - AST 2002 Astronomy
  - GEO 1200 Physical Geography or GLY 1030 Geology and its Applications

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (31 hrs)

A. Communications (9 hrs)
- ENC 1101 Composition I
- ENC 1102 Composition II
- SPC 1600 Fundamentals of Oral Communication

B. Humanities (6 hrs)
- PHI 2010 Introduction to Philosophy
- Select one:
  - ARH 2050 History of Western Art I or
  - ARH 2051 History of Western Art II or
  - MUL 2010 Enjoyment of Music or
  - THE 2000 Theatre Survey or
  - FIL 2400 History of Motion Pictures

C. Mathematics (9 hrs)
- MAC 1105 College Algebra
- MGF 1106 Finite Mathematics
  - One of the following (per GEP)
    - STA 1060C Basic Statistics using MS Excel or
    - STA 204C Principles of Statistics

D. Social Science/History (12 hrs)
- AMH 2010 U.S. History 1492-1877
- AMH 2020 U.S. History 1877-Present
- POS 2041 American National Government
- PSY 2012 General Psychology

3. Education Core Requirements (15 hrs)

A. Communication (9 hrs)
- Select one:
  - EDI 2005 Introduction to Education
  - EDG 2701 Teaching Diverse Populations
  - EME 2040 Technology for Educators

B. Science (9 hrs)
- Select one:
  - BSC 2010C Biology I w/Lab
  - PHY 2053C General Physics II
  - PHY 2054C General Physics II

4. Internship I Block (7 hrs)

- SCE 4360 Science Instructional Analysis
- ESE 3940 Internship I

5. Specialization Requirements (22 hrs)

- Select one:
  - PSC 1121 Physical Science
  - BSC 2010C Biology I
  - BSC 2011C Biology II
  - CHM 2045C Chemistry Fundamentals I and
  - CHM 2046 Chemistry Fundamentals II and
  - CHM 2046L Chemistry Fundamentals Laboratory
  - OR
  - PHY 2053C College Physics I and
  - PHY 2054C College Physics II

6. Restricted Elective (3 hrs)

One 3000- or 4000- level BSC, MCB, PCB, or ZOO course with advisor's approval.

Note: See additional requirements listed under College of Education, Office of Clinical Experiences.
UCF Degree Programs

7. Internship II (ESE4943) (12 hrs)
- SCE 4360 and at least 80% of all required biology courses must be completed before doing Internship II
- See additional requirements under College of Education, Office of Clinical Experiences
- 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 6A-5.065

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

9. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 126 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall (12 hrs)</th>
<th>Spring (15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>EDG 2701</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
</tr>
<tr>
<td>PSY 2012</td>
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<td>PHI 2010</td>
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<td>PSC 1121</td>
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<tr>
<td>Summer</td>
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<tr>
<td>EME 2040</td>
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<tr>
<td>POS 2041</td>
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<th>Sophomore Year</th>
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<tbody>
<tr>
<td>AMH 1010</td>
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<td>AMH 2020</td>
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<tr>
<td>BSC 2010C w/ lab</td>
<td>4 hrs</td>
<td>BSC 2011C</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>4 hrs</td>
<td>CHM 2046</td>
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<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
<td>CHM 2205</td>
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<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
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<tr>
<td>Summer</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>AST 2002</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ARH 2050 or</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2010 or</td>
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<tr>
<td>THE 2000 or</td>
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<td></td>
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<tr>
<td>FIL 2400</td>
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<table>
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<tr>
<th>Junior Year</th>
<th>Fall (14 hrs)</th>
<th>Spring (12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>MCB 3020C</td>
</tr>
<tr>
<td>EDG 4323</td>
<td>3 hrs</td>
<td>PC8 3063</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>3 hrs</td>
<td>PCB 3063L</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>1 hr</td>
<td>TSL 4080</td>
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<tr>
<th>Senior Year</th>
<th>Fall (13 hrs)</th>
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<tbody>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
<td>ESE 4943</td>
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<tr>
<td>ESE 3940</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SCE 4360</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Upper div restricted elect</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>(BSC/MCB/PCB/ZOO 3/4XXX)</td>
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</tbody>
</table>

SCIENCE EDUCATION - CHEMISTRY (B.S.)
College of Education
Department of Teaching and Learning Principles
ED209
http://www.education.ucf.edu/
Program Coordinator: Dr. Aldrin Sweeney
ED 123-L, 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 prerequisite courses

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (37 hrs)
A. Communication Foundations (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - Select SPC 1600 Fundamentals of Oral Communication
B. Cultural-Historical Foundations (9 hrs)
  - Select AMH 1010 U.S. History 1492-1877
  - Select AMH 2020 U.S. History 1877-Present
  - Select PHI 2010 Introduction to Philosophy
C. Mathematical Foundations (6 hrs)
  - Select MGF 1106 Finite Mathematics
  - Select one:
    - STA 1060C Basic Statistics using MS Excel or
    - STA 2014C Principles of Statistics
D. Social Foundations (6 hrs)
  - Prefer POS 2041 American National Government
  - Select PHI 2012 General Psychology
E. Science Foundations (7 hrs)
  - PHY 2053C College Physics (includes lab)
  - Prefer Select one:
    - AST 2002 Astronomy
    - GEO 1200 Physical Geography
    - GLY 1030 Geology and its Applications

2. Common Program Prerequisites (23 hrs)
A. Communications (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - SPC 1600 Fundamentals of Oral Communication
B. Humanities (6 hrs)
  - PHI 2010 Introduction to Philosophy
  - Select one:
    - ARH 2051 The History of Art I or
    - ARH 2051 The History of Art II or
    - MUL 2010 Enjoyment of Music or
    - THE 2000 Theatre Survey or
    - FIL 2400 History of Motion Pictures
C. Mathematics (9 hrs)
  - MAC 1105 College Algebra
  - MGF 1106 Finite Mathematics
  - One of the following (per GEP)
    - STA 1060C Basic Statistics using MS Excel
    - STA 2014C Principles of Statistics

UCF Degree Programs
## UCF Degree Programs

**SCIENCE EDUCATION - PHYSICS (B.S.)**

### Department of Teaching and Learning Principles, College of Education

**http://www.education.ucf.edu/**

**Program Coordinator:** Dr. Aldrin Sweeney

**ED 209**

**E-mail:** asweeney@pegasus.cc.ucf.edu

### 13. Recommended Four-Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2053C</td>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>4 hrs</td>
<td>PHY 2053C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td>PHY 2053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046 with lab</td>
<td>3 hrs</td>
<td>ESE 3940</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(16 hrs)</th>
<th>Spring</th>
<th>(14 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>ESE 3940</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2053C</td>
<td>4 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
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<tr>
<td>PHY 2054C</td>
<td>4 hrs</td>
<td>PHY 2053C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td>PHY 2053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046 with lab</td>
<td>3 hrs</td>
<td>ESE 3940</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(14 hrs)</th>
<th>Spring</th>
<th>(14 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>CHM 2211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2053C</td>
<td>3 hrs</td>
<td>CHM 2210</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>3 hrs</td>
<td>CHS 3501</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td>LAE 4361</td>
<td>3 hrs</td>
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</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(13 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3002</td>
<td>3 hrs</td>
<td>ESE 4943</td>
<td>12 hrs</td>
</tr>
<tr>
<td>EDF 4003</td>
<td>3 hrs</td>
<td>ESE 3940</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>4 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12. Total Program Semester Hours Required 127 hrs

At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

#### 12. Total Program Semester Hours Required 127 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**
- **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)**

### 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.
UCF Degree Programs

nity 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 prerequisite courses

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- Select SPC 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations (9 hrs)
- Select AMH 2010 U.S. History 1492-1877 3 hrs
- Select AMH 2020 U.S. History 1877-Present 3 hrs
- Select PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations
- Select MAC 1105 College Algebra 3 hrs
- Select one:
  - STA 1000C Basic Statistics using MS Excel or
  - STA 2043C Principles of Statistics 3 hrs

D. Social Foundations
- Prefer POS 2041 American National Government 3 hrs
- Select PSY 2012 General Psychology 3 hrs

E. Science Foundations
- Select PHY 2048 Physics for Scientists I 3 hrs
- Select one:
  - AST 2002 Astronomy or
  - GEO 1200 Physical Geography or
  - GLY 1030 Geology and its Applications 3 hrs

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (21 hrs)

A. Communications
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1600 Fundamentals of Oral Communication GEP

B. Humanities
- PH 2010 Introduction to Philosophy GEP
- Select one:
  - ARH 2050 The History of Art I or
  - ARH 2051 The History of Art II or
  - MUL 2010 Enjoyment of Music or
  - THE 2000 Theatre Survey or
  - FIL 2400 History of Motion Pictures 3 hrs

C. Mathematics
- MAC 1105 College Algebra GEP
- MAC 2311 Calculus with Analytic Geometry I GEP
- One of the following (per GEP)
  - STA 1000C Basic Statistics using MS Excel or
  - STA 2043C Principles of Statistics 3 hrs

D. Social Science/History
- AMH 2010 U.S. History 1492-1877 GEP
- AMH 2020 U.S. History 1877-Present GEP
- POS 2041 American National Government GEP
- PSY 2012 General Psychology GEP

E. Science
- Select one:
  - BSC 2010C Biology I w/ Lab 4 hrs
  - PHY 2048 Physics for Engineers & Scientists I GEP
  - PHY 2048L Physics Lab for Engineers & Scientists I 1 hr
  - One of the following (per GEP)
  - AST 2002 Astronomy or
  - GEO 1200 Physical Geography or
  - GLY 1030 Geology and its Applications 3 hrs

F. Education Courses
- Choose one:
  - EDF 2005 Introduction to Education 3 hrs
  - EDG 2701 Teaching Diverse Populations 3 hrs
  - EME 2040 Technology for Educators 3 hrs

G. Diversity Courses
- ESE 3940 Internship I 3 hrs

3. Education Core Requirements (15 hrs)

EDG 4223 Professional Teaching Practices 3 hrs
EDF 4603 Analysis of Critical Issues in Education 3 hrs
EDF 4214 Classroom Learning Principles 3 hrs
TSL 4080 Theory and Practice of Teaching ESL/L 3 hrs
LAE 4361 Literacy Strategies for Mid/High School 3 hrs

4. Internship I Block (7 hrs)
- SCE 4360 Science Instructional Analysis 4 hrs
- ESE 3940 Internship I 3 hrs

- Program Internship I Prerequisites: ESE 4323 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" in all of these prerequisite courses.
- See additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (26 hrs)

BSC 2010C Biology I CPP
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Lab 1 hr
MAC 2311 Calculus w/Analytic Geometry I GEP
MAC 2312 Calculus w/Analytic Geometry II 4 hrs
MAC 2313 Calculus w/Analytic Geometry III 4 hrs
PHY 2048 Physics for Scientists I GEP
PHY 2048L Physics Lab for Engineers & Scientists I 1 hr
PHY 2049 Physics for Scientists II 3 hrs
PHY 2049L Physics Lab for Engineers & Scientists II 1 hr
PHY 2101 Physics for Engineers & Scientists III 3 hrs
PHY 3752C Physics of Scientific Instruments 3 hrs

6. Restricted Electives (8 hrs)
3000- or 4000-level PHY or PHZ courses with advisor’s approval

7. Internship II (ESE4943) (12 hrs)
- SCE 4360 and at least 80% of all required physics courses must be completed before doing Internship II
- See additional requirements under College of Education, Office of Clinical Experiences
- 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 6A-5.065

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.
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11. Total Semester Hours Required 125 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

Freshman Year

Fall (12 hrs)
- EDF 2005 3 hrs
- ENC 1101 3 hrs
- EDG 2701 3 hrs
- EME 2040 3 hrs
- LAE 4361 3 hrs

Spring (16 hrs)
- EDF 2005 3 hrs
- ENC 1101 3 hrs
- EDG 2701 3 hrs
- EME 2040 3 hrs
- LAE 4361 4 hrs

Sophomore Year

Fall (12 hrs)
- EDF 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Spring (16 hrs)
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Junior Year

Fall (12 hrs)
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Spring (16 hrs)
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Senior Year

Fall (12 hrs)
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Spring (16 hrs)
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs
- ESE 3940 Internship I 3 hrs

Note: See laboratory component under Section 2.
## SOCIAL SCIENCES (B.S.)

**Office of Undergraduate Studies**

**Office of Liberal and Interdisciplinary Studies**

[http://liberalstudies.info](http://liberalstudies.info)

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

Liberal Studies Advising Team, 407-823-0144

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 Office of Liberal and Interdisciplinary Studies in the College of Arts and Sciences.

### Admission Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared a Social Sciences major at least one semester before graduation.
- Co-op and internship credit cannot be used in this major.
- Independent study forms must be approved by the director 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.
- Students should consult with a Liberal 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.

### Degree Requirements

- **A. Communication Foundations**
  - PHI 2010 3 hrs

- **B. Cultural and Historical Foundations**
  - PHI 2048 3 hrs

- **C. Mathematical Foundations**
  - PHI 2048L 1 hr

- **D. Social Foundations**
  - PHI 2048L 1 hr

### UCF General Education Program (36 hrs)

1. **A. Communication Foundations**
   - PHI 2010 3 hrs
   - PHI 2048 3 hrs
   - PHI 2048L 1 hr

2. **B. Cultural and Historical Foundations**
   - PHI 2048 3 hrs
   - PHI 2048L 1 hr

3. **C. Mathematical Foundations**
   - PHI 2048L 1 hr
   - PHI 2048L 1 hr

4. **D. Social Foundations**
   - PHI 2048L 1 hr
   - PHI 2048L 1 hr

### 1. Core Requirements

- **Select one course**
  - POS 3072 3 hrs
  - EME 2040 3 hrs

- **Select three more Social Science courses 9 hrs**
  - Select three more Social Science courses 9 hrs

- **Select one course**
  - EME 2040 3 hrs

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

- Select no more than two lower level Social Science courses in any one area in the Restricted Elective section.
- *Asterisk indicates appropriate courses in the Restricted Electives section.

### 3. Core requirements (3 hrs)

- **Select one course**
  - POS 3072 3 hrs
  - EME 2040 3 hrs

- **Select three more Social Science courses 9 hrs**
  - Select three more Social Science courses 9 hrs

### 4. Restricted Electives (60 hrs)

- Select a minimum of 15 semester hours in each of four of the following six Social Science disciplines.
  - **A. Communication**
    - COM 3311 Communication Research Methods 3 hrs
    - Select one course 3 hrs
  - **B. Economics**
    - *ECO 2013 Principles of Microeconomics 3 hrs
    - Select three more Economics courses 9 hrs
  - **C. Political Science**
    - *POS 2041 American National Government 3 hrs
    - Select three more Political Science courses 12 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

### 6. Foreign Language Requirements

- **Admission:** Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- **Graduation:** Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement (see a Liberal Studies advisor).

### 7. Electives (variable)

- Select primarily from upper level courses, with a Liberal Studies 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 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 hours
Related Programs: Liberal Studies, Liberal Arts
Related Minors: Anthropology, Communication, Economics, Political Science, Psychology, Public Administration, Sociology

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 Liberal Studies Advising Team. 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 admission requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

SOCIAL SCIENCE EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209

http://pegasus.cc.ucf.edu/~wgaudell
Program Coordinator: Dr. William Gaudelli
ED 115-H, 407-823-0215
E-mail: wgaudell@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 prerequisite courses.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
   B. Cultural-Historical Foundations (6 hrs)
      Select AMH 2010 U.S. History 1492-1877 3 hrs
      Select AMH 2020 U.S. History 1877-Present 3 hrs
      Select PHI 2010 Introduction to Philosophy 3 hrs
   C. Mathematical Foundations (6 hrs)
      Select MGF 1106 Finite Mathematics 3 hrs
      Select one:
      STA 1060C Basic Statistics using MS Excel 3 hrs
      STA 2014C Principles of Statistics 3 hrs
   D. Social Foundations (6 hrs)
      Prefer POS 2041 American National Government 3 hrs
      Select PSY 2012 General Psychology 3 hrs
   E. Science Foundations (6 hrs)
      Prefer PSC 1121 Physical Science 3 hrs
      Select one:
      ANT 2511 The Human Species 3 hrs
      BSC 1005 Biological Principles
   Note: See laboratory component under Section 2.

2. Common Program Prerequisites (25 hrs)
   A. Communications (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Humanities (6 hrs)
      Select PHI 2010 Introduction to Philosophy 3 hrs
      Select one:
      ARH 2050 History of Western Art I 3 hrs
      ARH 2051 History of Western Art II 3 hrs
      MUL 2010 Enjoyment of Music 3 hrs
      THE 2000 Theatre Survey 3 hrs
      FIL 2400 History of Motion Pictures 3 hrs
   C. Mathematics (9 hrs)
      MAC 1105 College Algebra 3 hrs
      MGF 1106 Finite Mathematics 3 hrs
      One of the following (per GEP) 3 hrs
      STA 1060C Basic Statistics using MS Excel or
      STA 2014C Principles of Statistics
   D. Social Science/History (12 hrs)
      AMH 2010 U.S. History 1492-1877 3 hrs
      AMH 2020 U.S. History 1877-Present 3 hrs
      POS 2041 American National Government 3 hrs
      PSY 2012 General Psychology 3 hrs
      One of the following (per GEP) 3 hrs
      ANT 2511 The Human Species or
      BSC 1005 Biological Principles
      Select one:
      STA 1060C Basic Statistics using MS Excel 3 hrs
      STA 2014C Principles of Statistics
   E. Science (9 hrs + lab)
      PSC 1121 Physical Science 3 hrs
      One of the following (per GEP) 3 hrs
      ANT 2511 The Human Species or
      BSC 1005 Biological Principles
      Select one associated science lab:
      BSC 1005L Biological Principles Laboratory 1 hr
      BSC 1050L Physical Science Laboratory 1 hr
   F. Education Courses (9 hrs)
      EDG 4323 Professional Teaching Practices 3 hrs
      EDF 4603 Analysis of Critical Issues in Education 3 hrs
      EDF 4214 Classroom Learning Principles 3 hrs
      TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
      Students in Schools 3 hrs
   G. Diversity Courses (3 hrs)
   H. Other Program Prerequisites (6 hrs)
      SYG 2000 General Sociology 3 hrs
      ECO 2013 Macroeconomics 3 hrs

3. Education Core Requirements (15 hrs)
   EDG 4323 Professional Teaching Practices 3 hrs
   EDF 4603 Analysis of Critical Issues in Education 3 hrs
   EDF 4214 Classroom Learning Principles 3 hrs
   TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   Students in Schools 3 hrs

4. Internship I Block (7 hrs)
   SSE 4361 Social Science Instructional Analysis 4 hrs
   Internship I 3 hrs
   Program Internship I Prerequisites: EDG 4323 and at least 50% of all required social science courses must be completed prior to Internship I with a minimum grade of “C-” in all of these prerequisite courses.
   SSE 4361 should be taken concurrently with ESE 3940.
   See additional requirements listed under College of Education, Office of Clinical Experiences.

5. Specialization Requirements (27 hrs)
   EEU 2000 Western Civilization I 3 hrs
   EUL 2001 Western Civilization II 3 hrs
   AMH 2010 US History 1492-1877 3 hrs
   AMH 2020 US History 1877-Present 3 hrs
   SYG 2000 General Sociology 3 hrs
   ECO 2013 Macroeconomics 3 hrs
   ECO 2023 Microeconomics 3 hrs
   GEO 3471 World Political Geography 3 hrs
   Upper Division Non-Western History Elective: 3 hrs
   Upper Division Political Science Electives 6 hrs
   Upper Division American History Electives 6 hrs
   (LAH, APH, or ASH prefix courses)
   (POW, INR, or CPO 3/4XXX)
   Upper Division American History Electives 6 hrs
   (AMH 3/4XXX)

6. Internship II (ESE4943) (12 hrs)
   SSE 4361 and at least 80% of all social science courses must be completed before doing Internship II
   See additional requirements under College of Education, Office of Clinical Experiences.
   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 6A-5.065.

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.
- 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.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 45 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

10. Total Program Semester Hours Required 122 hrs
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

11. Recommended Sequence of Program Courses:

Freshman Year
Fall (12 hrs) Spring (15 hrs)
EDF 2005 3 hrs BSC 1005 3 hrs
ENC 1101 3 hrs EDG 2701 3 hrs
MGF 1106 3 hrs ENC 1102 3 hrs
PSY 2012 3 hrs MAC 1105 3 hrs

Summer (6 hrs) POS 2041 3 hrs
EME 2040 3 hrs
SPC 1500 3 hrs

Sophomore Year
Fall (16 hrs) Spring (15 hrs)
AMH 2010 3 hrs AMH 2020 3 hrs
ECO 2013 3 hrs AST 2002 3 hrs
PSC 1121 3 hrs ECO 2023 3 hrs
PSC 1121L 1 hr GEO 3471 3 hrs
STA 2014C 3 hrs PHI 2010 3 hrs
SYG 2000 3 hrs

Summer (3 hrs) ARH 2050 or
MUL 2010 or
THE 2000 or
FIL 2400

Junior Year
Fall (15 hrs) Spring (13 hrs)
EDF 4214 3 hrs Upper Div Political 3 hrs
EDG 4023 3 hrs Sci Elect (POS 3/4XXX)
EHU 2000 3 hrs Upper Div Am Hist Elect 3 hrs
Upper Div Non-Western 3 hrs
Hist Elect
(APH/ASH/AHLAH 3/4XXX)
SSE 4361 4 hrs
Upper Div Political 3 hrs ESE 3940 3 hrs
Sci Elect (POS 3/4XXX)

Summer (3 hrs) EHU 2001 3 hrs

Senior Year
Fall (12 hrs) Spring (12 hrs)
EDF 4603 3 hrs ESE 4943 12 hrs
LAE 4361 3 hrs
TSL 4080 3 hrs
Upper Div Am Hist elective (AMH 3/4XXX)

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 reviewed for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services as well as college-level reading and writing skills.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the 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 at least a grade of “C-” in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510) and 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 9 hrs
      Prefer SPC 1500
   B. Cultural Historical Foundations 9 hrs
      Select MGF 1106 Finite Math
   C. Mathematical Foundations 6 hrs
      Select STA 2014C-Principles of Statistics or STA 2023 Statistical Methods I
   D. Social Foundations 6 hrs
      1. Select POS 2041
      2. Select PSY 2012
   E. Science Foundations 6 hrs
      Select BSC 1005 or MCB 1310
      Select a listed science course

2. Common Program Prerequisites* (15 hrs)
   A. American Government
   B. Sociology
   C. Political Science
   D. Macroeconomics
   E. Microeconomics
   F. Social Work Practice
   G. Social Work Research
   H. Social Work with Diverse Populations
   I. Documentation in Social Work Practice and Service Programs
   J. Social Welfare Policies and Issues
   *See transfer notes

3. Core Requirements (45 hrs)
   A. Assessing I: Human Development 3 hrs
   B. Social Work and Community Resources 3 hrs
   C. Practice I: Generalist Practice in Social Work 3 hrs
   D. Assessing II: Human Systems 3 hrs
   E. Practice II: Interpersonal Skills in Social Work Practice 3 hrs
   F. Social Work Research 3 hrs
   G. Social Work with Diverse Populations 3 hrs
   H. Documentation in Social Work Practice and Service Programs 3 hrs
   I. Social Welfare Policies and Issues 3 hrs

SOCIAL WORK (B.S.W.)
College of Health and Public Affairs
HPA1 204, 407-823-2114
http://www.cohap.ucf.edu/social/
Director: Mary Van Hook
Undergraduate Program Coordinator: Robin Kohn
E-mail: rkohn@mail.ucf.edu
Children's Services Certificate: This certificate is open only to students in the undergraduate social work program (BSW). The Children's Services Certificate is designed to prepare students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Admissions: Students must contact the Coordinator for planning their internship.

Business, Exercise Science, Physical Education or Art Education. All students in any major.

Aging Studies Certificate: This certificate is open only to students in the undergraduate social work program (BSW). The Aging Studies Certificate is designed to prepare students for a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program includes academic work through courses in social work skills in the area of addictions. The certificate program and/or the addiction specific courses will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida.

Status: This certificate is open only to students in the undergraduate social work program (BSW). The Children's Services Certificate is designed to prepare students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

4. Required Social Work Elective

5. Required Principles of Statistics

6. Electives

7. Foreign Language or Cultural Diversity Requirement

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 who 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

A minimum overall GPA of 2.5 with at least a grade of "C-" (1.75) or higher in each social work course.

10. University Minimum Exit Requirements

- A UCF GPA of 2.0
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Related Programs: Criminal Justice, Psychology, Public Administration, Sociology.

Aging Studies Certificate: In recognition of the special needs of the elderly citizens of Florida, the University offers a fifteen-hour interdisciplinary program leading to a Certificate in Aging Studies. The certificate is open to all students in any major.

The program may be of particular interest to students who are majoring in health sciences, psychology, social work, sociology, business, exercise science, physical education or art education. All students must contact the Coordinator for planning their internship.

Children's Services Certificate: This certificate is open only to students in the undergraduate social work program (BSW). The Children's Services Certificate is designed to prepare students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

4. Required Social Work Elective

5. Required Principles of Statistics

6. Electives (variable)

7. Foreign Language or Cultural Diversity Requirement

Choose two of the following suggested courses: ANT 3332, 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, SOP 3724, SOP 3742, SPA 3621, SYD 3700, EDG 2701, HSC 3593, HUM 2234 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 who 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

A minimum overall GPA of 2.5 with at least a grade of "C-" (1.75) or higher in each social work course.

10. University Minimum Exit Requirements

- A UCF GPA of 2.0
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Related Programs: Criminal Justice, Psychology, Public Administration, Sociology.

Aging Studies Certificate: In recognition of the special needs of the elderly citizens of Florida, the University offers a fifteen-hour interdisciplinary program leading to a Certificate in Aging Studies. The certificate is open to all students in any major.

The program may be of particular interest to students who are majoring in health sciences, psychology, social work, sociology, business, exercise science, physical education or art education. All students must contact the Coordinator for planning their internship.

Children's Services Certificate: This certificate is open only to students in the undergraduate social work program (BSW). The Children's Services Certificate is designed to prepare students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Admissions: Students must contact the Coordinator for planning their internship.

Business, Exercise Science, Physical Education or Art Education. All students in any major.

Aging Studies Certificate: This certificate is open only to students in the undergraduate social work program (BSW). The Aging Studies Certificate is designed to prepare students for a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program includes academic work through courses in social work skills in the area of addictions. The certificate program and/or the addiction specific courses will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida.

Related Minors: Health Services Administration, Aging Studies, Psychology, Sociology.

Honors in the Major Requirements

1. Complete a three-credit directed reading course/or a three-credit COHPA1nterdisciplinary 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
- Biology (Human Biology or Anatomy and Physiology)
- Economics (Microeconomics or Macroeconomics)
- Introductory Psychology
- Introductory Sociology
- Principles of Statistics

Tentative Course Schedule for Entering Freshmen: Freshman Year

Fall 14 hrs Spring 15 hrs
ENC 1101 3 ENC 1102 3
BSC 1005 or MCB 1310 3 MGF 1106 3
SYG 2000 or PSY 2012 3 PSY 2012 or SYG 2000 3
STA2014C 3 MUL 2010 or THE 2000 3
PAF 2102 2 or REL 2300 or PHI 2010

Sophomore Year

Fall 15/16 hrs Spring 15/16 hrs
ECO 2013 or ECO 2023 3 Foreign Lang I or Cult Diversity 3/4
EHU 2000 or WOH 2012 or HUM 2210 or AMH 2010 3 CHM 1020 or PSC 1121 or AST 2002
SPO 1600 3 Elective 3
Elected 3
Foreign Lang I or Cult Diversity 3/4
EHU 2001 or HUM 2230 or AMH 2020

Junior Year

Fall 15 hrs Spring 15 hrs
SOW 3104 3 SOW 3111 3
SOW 3203 3 SOW 3352 3
SOW 3300 3 SOW 3401 3
SOW Elective 3 SOW 3620 3
STA2014C or Elective 3

Senior Year

Fall 15 hrs Spring 16 hrs
SOW 4232 3 SOW 4510 9
SOW 4341 3 SOW 4522 3
SOW 4343 3 Elective 1
SOW 4431 3 Elective 3

SOCIOLGY (B.A.)

College of Sciences

Department of Sociology and Anthropology

PH 403, 407-823-2227

http://www.cas.ucf.edu/soc_anthro

E-mail: sociology@ucf.edu

J. Corzine, 407-823-2227
Admission Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must courses must be taken from the UCF Sociology and Anthropology 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.
- 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
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
     1. Prefer MAC 1105 (or higher)
     2. Prefer STA 2014C
   - D. Social Foundations
     1. Select a listed course
     2. Select SYG 2000
   - E. Science Foundations

2. Common Program Prerequisites
   (It is suggested that transfer students complete two lower-level courses with the prefix SYA, SYD, SYG, SYO, or SYP.)

3. Core requirements
   - SYG 2000 General Sociology
   - SYA 3400 Research Methods and Statistics
   - SYA 4300 Research Methods
   - SYA 4450 Data Analysis
   - SYA 3110 Development of Social Thought

4. Restricted Electives
   Select from the following
   - SYG 2000 General Sociology
   - SYA 3210 Modern Sociological Thought
   - SYA 4650CC Applied Sociology
   - SYA 5625 Seminar
   - 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 Anthropology
   - SYD 4510 Environmental Sociology
   - SYD 4810 Women in Contemporary Society
   - SYD 4813 Women and Social Policy
   - SYG 2100 Social Problems
   - SYO 3000 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 Socio 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 4323 Social Systems and Diversity
   - SYP 4514 Sociology of Violence
   - SYP 4521 Criminal Victimization in Society
   - SYP 4536 Gangs and Society
   - SYP 4550 Sociology of Drug Abuse

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.

6. Foreign Language Requirements
   (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to 2 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.
   Third semester may be replaced by a departmentally approved enhancement course. See the department for the list of courses.

7. Enhancement Requirement
   (0-3 hrs)
   Demonstrate proficiency equivalent to a third semester of a language, or complete an Enhancement course on the list maintained by the department.

8. Electives
   (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. These 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 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 hours

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:
- 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.

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
- Math test See catalog

Freshman Year

Fall
- ENC 1101 Composition I
- MAC 1105*req# 1C1-GE
- SYG 2000 General Sociology
- SPN 1120*req# Lang/Elect

Spring
- ENC 1102 Composition II
- STA 2014C Prin of Statistics
- SYG 2010 Social Problems
- SPN 1121*req# Lang/Elect
## UCF Degree Programs

### SPANISH (B.A.)

**College of Arts and Humanities**  
**Department of Modern Languages & Literatures, CNH 523**  
**http://pegasus.cc.ucf.edu/~forlang**  
**E-Mail: modernlanguage@ucf.edu**  
**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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>B. Cultural and 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 Mathematics (may substitute a higher level math)</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (0-14 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 1120*</td>
<td>Elem Spanish Lang &amp; Civ I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPN 1111*</td>
<td>Elem Spanish Lang &amp; Civ II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPN 2200*</td>
<td>Intern Spanish Lang &amp; Civ I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN2201*</td>
<td>Intern Spanish Lang &amp; Civ II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* May be met by proficiency test or completion of SPN2201

### 3. Core requirements (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300*</td>
<td>Adv Spanish Gram and Comp</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420*</td>
<td>Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760*</td>
<td>Adv Spanish Oral Comm</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100 &amp; 3101</td>
<td>Survey of Spanish Literature</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**or**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3130 &amp; 3131</td>
<td>Survey of Latin-American Literature</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

* A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

### 4. Upper Division Restricted Electives (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Select one of the following</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PCL 3730</td>
<td>Romance Philology</td>
<td></td>
</tr>
<tr>
<td>SPN 4811</td>
<td>Spanish Morphosyntax</td>
<td></td>
</tr>
<tr>
<td>SPN 4800</td>
<td>Spanish American Syntax</td>
<td></td>
</tr>
<tr>
<td>SPN 4780</td>
<td>Spanish Phonetics</td>
<td></td>
</tr>
<tr>
<td>SPN 3852</td>
<td>Bilinguismo</td>
<td></td>
</tr>
</tbody>
</table>

b. Spanish literature beyond the survey level (taught in Spanish)

- 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>c. Culture and Civilization</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPN 4530</td>
<td>Spanish Civ &amp; Culture or</td>
<td></td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Latin American Civ &amp; Culture</td>
<td></td>
</tr>
<tr>
<td>d. Spanish courses</td>
<td>9 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements

- **Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division Spanish courses**
- **Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.**
- **Computer Competency met by CGS 1060C or equivalent**

### 6. Foreign Language Requirements (0-16 hrs)

**Admission:** Met by Graduation requirements.  
**Graduation:** Met by Common Program Prerequisites.

### 7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside 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)**

### Total Semester Hours Required

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 hours</td>
</tr>
</tbody>
</table>

### Related Programs:

- French, Modern Language Combination  
- Related Minors: French, Italian, Judaic Studies, Latin American 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.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.
UCF Degree Programs

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

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000* req# 1D2-GEP</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>STA 1060C req# 1C2-GEP</td>
</tr>
<tr>
<td>MGF 1106* req# 1C1-GEP</td>
<td>SPN 1121* req# 2-2CPP</td>
</tr>
<tr>
<td>SPN 1120* req# 2-2CPP</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010* req# 1B1-GEP</td>
<td>BSC 105* req# 1E1-GEP</td>
</tr>
<tr>
<td>ARH 2050* req# 1B3-GEP</td>
<td>MUL 201* req# 1B2-GEP</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>UCM 100* req# 1A3-GEP</td>
</tr>
<tr>
<td>PSC 1121* req# 1E1-GEP</td>
<td>SPN 2201* req# 2-CPP</td>
</tr>
<tr>
<td>SPN 2200* req# 2-CPP</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300 Adv Spa Gram Comp</td>
<td>SPW 3101* req# 3-Core</td>
</tr>
<tr>
<td>SPN 3420 Spanish Comp</td>
<td>SPN 4780* req# 4a-ResElec</td>
</tr>
<tr>
<td>SPN 3760 Adv Spa Oral Com</td>
<td>SPN 3141* req# 4a-ResElec</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100* req# 3-Core</td>
<td>SPW 3131* req# 4b-ResElec</td>
</tr>
<tr>
<td>SPW 4520* req# 4c-ResElec</td>
<td>SPW 4381* req# 4b-ResElec</td>
</tr>
<tr>
<td>SPW 5760* req# 4d-ResElec</td>
<td>SPN 4410* req# 4d-ResElec</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

SPORTS AND FITNESS (B.S.)
College of Education
Department of Teaching and Learning Principles, ED209
http://pegasus.cc.ucf.edu/~sportfit/

Program Coordinator: Dr. Michael Kehoe
UCF at South Lake, Bldg 2, Room 316, 352-536-2179
E-mail: mkehoe@mail.ucf.edu

(This program is only offered at UCF at South Lake)

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- Complete prerequisite courses.

Degree Requirements
- Students should consult with an advisor on a regular basis and prior to registration.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least annually thereafter.
- Students must earn at least a “C-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental approval process of the organization with which they will be working.

1. UCF General Education Program

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>37 Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C Basic Stat using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Sports and Fitness Lower Division

<table>
<thead>
<tr>
<th>PET 2622C Human Injuries</th>
<th>(7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3736C Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

3. Lower Division Electives*

Selected Electives (Prefixes: PEL, PEM, PEO, PET) | (16 Hrs)

<table>
<thead>
<tr>
<th>Option A: Coaching</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3361 Nutrition for Sports and Fitness</td>
</tr>
<tr>
<td>PET 3775S Nutrition and Exercise</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option B: Fitness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4033C Practical Fitness Training</td>
</tr>
<tr>
<td>PET 4625 Human Injuries - Mechanisms and Prevention</td>
</tr>
</tbody>
</table>

4. Upper Division Elective

<table>
<thead>
<tr>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved by advisor</td>
</tr>
</tbody>
</table>

5. Specialization

<table>
<thead>
<tr>
<th>Select One Option:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option A: Coaching</td>
</tr>
<tr>
<td>PET 3765 Coaching Theory</td>
</tr>
<tr>
<td>PET 4763 Coaching Methods and Principles</td>
</tr>
<tr>
<td>PET 4625 Human Injuries - Mechanisms and Prevention</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option B: Coaching Specific (choose one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 2624 Coaching Basketball</td>
</tr>
<tr>
<td>PEO 3324 Coaching Volleyball</td>
</tr>
<tr>
<td>PEO 3644 Coaching Football</td>
</tr>
</tbody>
</table>

Students selecting the Coaching Specialization must register and complete the State of Florida Coaching Certification Process or an equivalent professional certifying body.

6. Specialization

<table>
<thead>
<tr>
<th>(12 Hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select One Option:</td>
</tr>
<tr>
<td>Option A: Coaching</td>
</tr>
<tr>
<td>PET 3361 Nutrition for Sports and Fitness</td>
</tr>
<tr>
<td>PET 3775s Nutrition and Exercise</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option B: Fitness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4033C Practical Fitness Training</td>
</tr>
<tr>
<td>PET 4625 Human Injuries - Mechanisms and Prevention</td>
</tr>
</tbody>
</table>

Students selecting the Fitness Specialization must register for a Professional Fitness Certification through the American College of Sports Medicine (ACSM), the National Strength and Conditioning Association (NSCA), or an equivalent Professional Certifying body.

7. Sports & Fitness Practica

<table>
<thead>
<tr>
<th>(18 Hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4625 Sports and Fitness Practicum I</td>
</tr>
<tr>
<td>PET 4026 Sports and Fitness Practicum II</td>
</tr>
</tbody>
</table>

During the final year of the program, students will complete Practicum requirements with a Sports or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.

In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organi-
8. Foreign Language (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Exit Requirements
- A minimum overall GPA of 2.5.
- 48 semester hours of upper division credit completed.
- 30 semester hours in regular courses completed at UCF.
- Specialization Certification.
- Participation in events 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)

11. Recommended Four-Year Sequence of Courses

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CGS 1060C or</td>
<td>3 hrs</td>
<td>AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
<td>BSC 2010C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>*MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1211</td>
<td>3 hrs</td>
<td>SPC 1000</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(14 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>PET 2620C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C or STA 2014C</td>
<td>3 hrs</td>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>4 hrs</td>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization electives</td>
<td>(PEL/PEM/PEO/PET XXXX)</td>
<td>Specialization electives</td>
<td>(PEL/PEM/PEO/PEO XXXX)</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>(6 hrs)</th>
<th>Phi 2010</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>*Humanities elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>(15 hrs)</th>
<th>Spring</th>
<th>(15hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3137</td>
<td>3 hrs</td>
<td>PET 3408</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3493</td>
<td>3 hrs</td>
<td>PET 4215</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4401</td>
<td>3 hrs</td>
<td>PET 4312</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550</td>
<td>3 hrs</td>
<td>PET 4491</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization</td>
<td></td>
<td>Specialization</td>
<td></td>
</tr>
<tr>
<td>Option A (Coaching):</td>
<td>3 hrs</td>
<td>Specialization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Specialization</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Option B (Fitness):</td>
<td>PET 3776</td>
<td>Specialization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>(3 hrs)</th>
<th>Specialization</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Option A (Coaching):</td>
<td>PET 3824 or PEO 3324 or PEO 3844</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td>Specialization</td>
</tr>
<tr>
<td></td>
<td>Option B (Fitness):</td>
<td>Upper division restricted elective</td>
</tr>
</tbody>
</table>
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
Math test—See catalog

Freshman Year

Fall
BSC 2010C Biology I (PR: BSC 2010C) 4 hrs
ENC 1102 Composition II 3
ENC 1101 Composition I 3
PHY 2052C Physics I (PR: CHM 2045C) 4
MAC 2311 Calculus Anal Geo I 4
MUL 2010r req# 1B2-GEP 3
MAC 2312 Calc Anal Geo II 4

Sophomore Year

Fall
AMH 2010r req# 1BI-GEP 3
ARN 2050r req# 1B3-GEP 3
POS 2041r req# 1D1-GEP 3
MAC 2313 Calc Anal Geo III 4
STA 4163 Stat Methods II 3

Junior Year

Fall
COT 3100C req# 1BC-Core 3
STA 4183* req# 4-ResEle 3 Elective* Check restrictions 4
STA 4664* req# 3c-Core 3
COT 3502 Computer Science I 3
PSY 2012* req# 1D2-GEP 3

Spring
COT 4500 Numerical Calculus 3
STA 4321 Stat Theory I 3
STA 4222* req# 3c-Core 3
MAC 2313 Calc Anal Geo III 4
STA 4163 Stat Methods II 3

Senior Year

Fall
COT 4500 Numerical Calculus 3
STA 4102 Comp Oroc of Stat 3
STA 4502* req# 3c-Core 3
STA 4164 Stat Methods I 3
PSY 2012* req# 1D2-GEP 3

Spring
STA 4183* req# 4-ResEle 3 Elective* Check restrictions 4
STA 4321 Stat Theory I 4
STA 4164 Stat Methods I 3
MUL 2010r req# 1A3-GEP 3

STATISTICS - ACTUARIAL SCIENCE TRACK (B.S.)
See Actuarial Science (B.S.)

TECHNICAL EDUCATION AND INDUSTRY TRAINING (B.S.)
College of Education
Department of Teaching and Learning Principles,
ED 209
http://reach.ucf.edu/~technicaled/
Program Coordinator: Jo Ann M. Whiteman
ED 122-T, 407-823-2848
E-mail: jwhiteman@mail.ucf.edu
This program is only 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
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

Degree Requirements
Students should consult with an advisor prior to registration.

For students in adult Technical Education and Industry Training. This degree does not lead to teacher certification at the state level.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
   ENC 1101 Composition I 3
   ENC 1102 Composition II 3
   Select SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations (9 hrs)
   Select MGF 1106 Finite Mathematics 3 hrs
Select one:  
STA 1060C Basic Statistics using MS Excel or STA 2046C Principles of Statistics  

D. Social Foundations  

(6 hrs)  
EDF 2005 Introduction to Education 3 hrs  
EDG 2701 Teaching Diverse Populations 3 hrs  
EME 2040 Technology for Educators 3 hrs  

2. Common Program Prerequisites  

(9 hrs)  
EVT 3302 Professional Role Voc Ed Teacher 3 hrs  
EVT 3312 Course Health Occ Ed or 3 hrs  
EVT 3371 Course Const Industrial Ed 3 hrs  
EVT 3502 Special Needs Voc Ed Students 3 hrs  
EVT 4065 Principles Voc Ed 3 hrs  
EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs  
EVT 4367 Eval Vocation Training 3 hrs  
EVT 4469 Curr Dev of Ind Training 3 hrs  
ADE 4382 Teaching Adult Learners 3 hrs  

3. Program Core Requirements  

(27 hours)  
EVT 3365 Gen Method/Test Eval 3 hrs  
EVT 3366 Professional Role Voc Ed Teacher 3 hrs  
EVT 3332 Course Health Occ Ed or 3 hrs  
EVT 3371 Course Const Industrial Ed 3 hrs  
EVT 3502 Special Needs Voc Ed Students 3 hrs  
EVT 4065 Principles Voc Ed 3 hrs  
EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs  
EVT 4367 Eval Vocation Training 3 hrs  
ADE 4382 Teaching Adult Learners 3 hrs  

4. Occupational Specialization Requirements  

(30 hrs)  
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  

(with advisor’s approval)  

(6 hrs)  

6. Directed Field Experience  

(12 hrs)  
■ The Occupational Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience.  

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.)  

6. Departmental Exit Requirements*  
■ Achieve a minimum 2.5 GPA in all courses within the major.  

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 residence at UCF  
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)  

8. Total Program Semester Hours Required: 120 hours  

9. Recommended Sequence of Program Courses:  

Freshman Year  
Fall  
ENC 1101 3 hrs  
MGF 1106 3 hrs  
SPC 1016 3 hrs  
Cultural-Historical Foundations Course 3 hrs  
Social Foundations Course 3 hrs  
Spring  
ENC 1102 3 hrs  
STA 1060C or STA 2046C 3 hrs  
Cultural-Historical Foundations Course 3 hrs  
Cultural-Historical Foundations Course 3 hrs  
Social Foundations Course 3 hrs  

Sophomore Year  
Fall  
(12 or 16 hrs)  
EDF 2005 3 hrs  
EME 2040 3 hrs  
Science Foundations Course 3 hrs  
Technical Specialization Course 3 hrs  
Foreign Language Course (if needed) 4 hrs  
Spring  
(12 or 16 hrs)  
EDG 2701 3 hrs  
Science Foundations Course 3 hrs  
Technical Specialization Course 3 hrs  
Technical Specialization Course 3 hrs  
Foreign Language Course (if needed) 4 hrs  
Summer  
(6 hrs)  
EVT 3302 3 hrs  
EVT 3312 or EVT 3371 3 hrs  

Junior Year  
Fall  
(15 hrs)  
EVT 3365 3 hrs  
Technical Specialization Course 3 hrs  
Technical Specialization Course 3 hrs  
Technical Specialization Course 3 hrs  
Spring  
(15 hrs)  
EVT 3302 3 hrs  
EVT 3367 3 hrs  
Technical Specialization Course 3 hrs  
Technical Specialization Course 3 hrs  
Technical Specialization Course 3 hrs  
Summer  
(6 hrs)  
EVT 4065 3 hrs  
EVT 4109 3 hrs  

Senior Year  
Fall  
(12 hrs)  
ADE 4382 3 hrs  
EVT 4366 3 hrs  
Upper Division Elective 3 hrs  
Upper Division Elective 3 hrs  
Spring  
(12 hrs)  
EVT 4941 12 hrs  

*It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.  

THEATRE (B.F.A.)  

College of Arts and Humanities  
Department of Theatre, UTC 180; 407-823-2862  
http://www.theatre.ucf.edu  
Acting: Be Boyd, bbboyd@mail.ucf.edu  
407-823-0872  

Design & Technology and Stage Management: Bert Scott, hscott@mail.ucf.edu  
407-823-3636  

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 Department.  
■ The departmental faculty evaluates students desiring to become BFA majors via an interview, audition, or portfolio review. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.  
■ An Acting candidate must be interviewed and perform two mono-
Design and Technology Students are required to take ARH 2051 (History of Western Art II) 3 hrs

C. Mathematical Foundations
    Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
    Select STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations 6 hrs
    Select one course from 1.B.1 list 3 hrs

Select THE 2020 Survey of Theatre for Majors 3 hrs

2. Common Program Prerequisites (9 hrs)
   THE 2020* Survey of Theatre for Majors GEP
   THE 2004* Script Analysis 3 hrs
   THE 200L* Theatre Participation – Management I 1 hr
   TPP 2290L Theatre Participation – Production I 1 hr
   TPP 2190* Theatre Participation – Performance I 1 hr
   TPA 2210 Stagecraft I 3 hrs
   TPP 2190 Theatre Participation – Performance I 1 hr
   TPA 2201 Technical Theatre Production LAB 1 hr
   *See Transfer Notes for possible substitutes

3. Core Requirements (18 hrs)
   TPP 2110C Acting I – Introduction 3 hrs
   THE 3XXX Theatre History and Dramatic Literature I 3 hrs
   THE 3XXX Theatre History and Dramatic Literature II 3 hrs
   THE 3XXX Theatre History and Dramatic Literature III 3 hrs
   THE 2304 Script Analysis CPP
   THE 2090L Theatre Participation – Management I COMP
   TPA 2290L Theatre Participation – Production I COMP
   TPA 2190 Theatre Participation – Performance I COMP
   TPA 4XXX Theatre Capstone 3 hrs
   TPA 3310C Directing I 3 hrs

4A. Specialization: select one area (66 hrs)

   Acting Specialization
   TPA 2201 Technical Theatre Production COMP
   TPA 2201 Technical Theatre Production LAB 3 hrs
   TPA 2170C Acting II – The Actor Prepares 3 hrs
   TPA 2190 Theatre Participation – Performance I 1 hr
   DAA 2200C Ballet I 2 hrs
   TPA 2710C Voice Production I 2 hrs
   TPA 3172C Acting III – Building the Character 3 hrs
   TPA 3510C Movement for Actors I 2 hrs
   TPA 3XXX Movement for Actors II 2 hrs
   TPA 3512C Stage Combat 2 hrs
   TPA 3257 Music Theatre. Voice I 2 hrs
   TPA 3258 Musical Theatre Voice II 2 hrs
   TPA 3711C Voice Production II 2 hrs
   TPA 3712C Voice Production III 2 hrs
   TPA 3730C Voice Production IV 2 hrs
   TPA 4140C Acting V – Creating the Role 3 hrs
   TPA 4142C Acting V – Verse 3 hrs
   TPA 4265C Acting VI – TV/Film 3 hrs
   TPA 4531C Period Movement 2 hrs
   TPA 4540C Theatre Management 3 hrs
   TPA 2248C Makeup Techniques 2 hrs
   TPA 3223 Theatre Careers for Performance 3 hrs
   DAA 2570C Jazz Dance I 2 hrs
   Restricted electives (see list of courses) 15 hrs

   Stage Management Specialization
   TPA 2210 Stagecraft I 3 hrs
   TPA 2210 Stagecraft I LAB 1 hr
   TPA 2211 Stagecraft II 3 hrs
   TPA 2211 Stagecraft II LAB 1 hr
   TPA 4393 Theatre Participation – Production II 3 hrs
   THE 4293L Theatre Participation – Management II 1 hr
   TPA 4400 Theatre Management 3 hrs
   TPP 2170C Acting II – The Actor Prepares 3 hrs
   TPA 2000C Theatre Design Basics 3 hrs
   TPA 20XX Scenography 3 hrs
   TPA 2XXX Stage Electronics 3 hrs
   TPA 2XXX Stage Management Basics 3 hrs
   TPA 3601 Stage Management 3 hrs
   TPA 4602 Advanced Stage Management 3 hrs
   TPA 3221 Lighting Design for Theatre I 3 hrs
   or
   TPA 3260 Sound Design for Theatre I 3 hrs
   TPA 3197 Summer Theatre Tech 3 hrs
   TPA 3195 Theatre Studio Tech 3 hrs
   TPA 3043C Costumes, Architecture and Décor History I 3 hrs
   TPA 3044C Costumes, Architecture and Décor History II 3 hrs

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 3 hrs
   Select one course from 1.B.1 list 3 hrs
   Select THE 2020 Survey of Theatre for Majors 3 hrs

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.
   Continuation in the BFA program requires a positive BFA review.
   Co-op credit cannot be used in this major.
   Students must consult with a departmental advisor before registering each semester.
   Departmental Residency Requirement consists of 60 semester hours of regularly scheduled 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, and one must be in a shop or front of house, and the final one may 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.
   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.

Design and Technology Students are required to take at least two design or technical direction elective courses following the completion of Scenography.

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.
48. Restricted Electives (except where required by a specialization - see specializations for credit hours)

Chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>THE 2090L</td>
<td>Theatre Participation – Management I</td>
<td>1 hr</td>
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<tr>
<td>THE 2320</td>
<td>Commonly Within Cultural Diversity</td>
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</tr>
<tr>
<td>THE 4093L</td>
<td>Theatre Participation – Management II</td>
<td>1 hr</td>
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<tr>
<td>THE 3240</td>
<td>Musical Theatre Survey</td>
<td></td>
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<tr>
<td>THE 5307</td>
<td>Contemporary Theatre</td>
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</tr>
<tr>
<td>TPP 2290L</td>
<td>Theatre Participation – Production I</td>
<td>1 hr</td>
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<tr>
<td>TPP 3077</td>
<td>Scene Painting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3XXX</td>
<td>Topics in Technical Theatre</td>
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<tr>
<td>TPP 3060C</td>
<td>Scene Design for Theatre I</td>
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<tr>
<td>TPP 3040</td>
<td>Costume Design for Theatre I</td>
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<td>TPP 3221</td>
<td>Lighting Design for Theatre I</td>
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<tr>
<td>TPP 3260</td>
<td>Sound Design for Theatre I</td>
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<tr>
<td>TPP 4XXX</td>
<td>Scene Design for Theatre III</td>
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<tr>
<td>TPP 4041C</td>
<td>Costume Design for Theatre III</td>
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<td>TPP 40XXX</td>
<td>Sound Design for Theatre II</td>
<td></td>
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<tr>
<td>TPP 3XXX</td>
<td>Advanced Topics in Technical Theatre</td>
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<td>TPP 3197</td>
<td>Summer Theatre Studio/Tech/Design</td>
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<td>TPP 3195</td>
<td>Theatre Studio/Design</td>
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<tr>
<td>TPP 2XXX</td>
<td>Stage Management Basics</td>
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<tr>
<td>TPP 3061</td>
<td>Stage Management</td>
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<tr>
<td>TPP 4400</td>
<td>Theatre Management</td>
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<tr>
<td>TPP 4033</td>
<td>Theatre Participation – Production II</td>
<td>1 hr</td>
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<tr>
<td>TPP 2190</td>
<td>Theatre Participation – Performance I</td>
<td>1 hr</td>
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<tr>
<td>TPP 3197</td>
<td>Summer Theatre Perform.</td>
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<tr>
<td>TPP 3952</td>
<td>Studio Performance</td>
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<tr>
<td>TPP 3043C</td>
<td>Costumes, Architecture and Décor History I</td>
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<td>TPP 3044C</td>
<td>Costumes, Architecture and Décor History II</td>
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<td>TPF 413C</td>
<td>Acting Styles</td>
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<td>ARH 2050</td>
<td>History of Western Art I</td>
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
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<tr>
<td>TPA 2248C</td>
<td>Makeup Technique</td>
<td></td>
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<tr>
<td>TPF 2XXX*</td>
<td>Introduction to Theatrical Design</td>
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<tr>
<td>TPP 3011</td>
<td>Advanced Directing</td>
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<tr>
<td>TPP 3193</td>
<td>Theatre Participation – Performance II</td>
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<tr>
<td>THE 4912*</td>
<td>Undergraduate Research</td>
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</tr>
<tr>
<td>DAA 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
</tbody>
</table>

Other THE, TPA, TPP, DAA or DAN courses as approved by the department * requires instructor and departmental approval in advance

5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a ‘B’ Theatre GPA (3.0) or better
- Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards your total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: none

7. Electives (variable)

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Art, Film, Music, Theatre Studies BA Related Minors: Art, 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 must be taken.
- THE 2304: may use THE 2300
- THE 2090L: may use THE 2925
- TPA 2290L: may use TPA 1290
- TPP 2190: may use TPP 1190 or TPP 2110
- TPP 2210: may use TPP 2200 or TPP 2201
- TPP 2210: may use TPP 2200 or TPP 2201

THEATRE STUDIES (B.A.)

College of Arts and Humanities

Department of Theatre, UTC 180; 407-823-2862

http://www.theatre.ucf.edu

E-mail: jwshafer@mail.ucf.edu
tollefson@mail.ucf.edu

John Shafer/Kristina Tollefson, 407-823-0871

Toll-free: 866-UCF-ARTS

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing greater flexibility and opportunity for interdisciplinary study. The BA course of study emphasizes a broad-based theatre education and provides freedom to pursue a complementary 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, contact the Department of Theatre or visit the audition site online at 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
UCF Degree Programs

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to matriculate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “C” (2.0) overall Theatre GPA to continue in the major.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering.

Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled courses taken from the UCF Theatre Department.

All BA Theatre Studies students must participate, in some capacity, in one of the main-stage productions during a minimum of four three semesters in addition to the Technical Theatre Production Lab. One of the Participation credits must be as part of a run crew. The other two participation credits can be a combination of performance, shop assignments, run crews or front of house. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped from the major.

- 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  
     THE 2020* Survey of Theatre for majors  
     THE 2304 Script Analysis  
     THE 2090L* Theatre Participation – Management I  
   - B. Cultural and Historical Foundations  
     Select one course from 1.B.1 list  
     Select THE 2020 Survey of Theatre for Majors  
     Select one course from 1.B.1 or 1.B.2 list  
   - C. Mathematical Foundations  
     Prefer MGF 1106 Finite Mathematics (may substitute lower level math)  
     Select STA 1060C Statistics Using Excel  
   - D. Social Foundations  
     THE 2304 Script Analysis  
     THE 2020* Survey of Theatre for majors  
   - E. Science Foundations  
     THE 2304 Script Analysis  

2. Common Program Prerequisites  
   (9 hrs)
   - THE 2020* Survey of Theatre for majors  
   - THE 2304 Script Analysis  
   - THE 2090L* Theatre Participation – Management I  
   - TPA 2290L* Theatre Participation – Production I  
   - TPP 2190* Technical Theatre Production Lab  
   - Select primarily from upper level courses, with departmental advisor’s approval. May also be outside of the department.

3. Core requirements  
   (21 hrs)
   - TPP 2101 Fundamentals of Acting I  
   - THE 2304 Script Analysis  
   - THE 3XXX Theatre History/ Dram. Lit. I  
   - THE 3XXX Theatre History/ Dram. Lit. II  
   - THE 3XXX Theatre History/ Dram. Lit. III  
   - TPP 2XXX Stage Voice/Speech  
   - TPP 3310C Directing I  
   - THE 4XXX Capstone  

4. Restricted Electives  
   (16 hrs)
   Select 16 hours from the following:

   THE 3230  
   THE 3082  
   TPF 4143  
   TPF 3XXX  
   TPA 3XXX  
   TPF 4221  
   THE 3240  
   THE 4093L*  
   THE 4093L*  
   THE 4093L*  
   THE 4093L*  
   THE 4093L*  
   THE 4093L*  
   TPA 3045  
   TPA 3045  
   TPA 3195  
   TPA 4097  
   TPA 2XXX  
   THE 4400  

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course.
- Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production.
- 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 department handbook for more complete description of the program and a list of Associated Minors.
   - Participation in the Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

8. Electives  
   (variable)
   Select electives 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 hours

Related Programs: Art, Film, Music, Theatre BFA

Related Minors: Art, 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.
- 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 may still need to be taken.
- THE 2304XXX (Script Analysis): may use THE 2300 or THE 3305
- THE 2090L: may use THE 2925
- TPA 2290L: may use TPA 1290
- TFP 2190: may use TPF 1110 or THE 4093L or TPA 4293
The departmental faculty evaluates students desiring to become majors. Entrance into most theatre classes is restricted to majors. Admissions Requirements

- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Department.
- 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 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. Visit 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.

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.
- 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.

Departmental Residency Requirement consists of 60 semester hours of regularly scheduled courses taken from the UCF Theatre Department.

Prior to graduation, all BFA Musical Theatre 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, and one must be in a shop or front of house position.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Program Prerequisites before transferring within the Florida Public University/Community College System.

Courses designated 2 (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 9 hrs
   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list 3 hrs
      Select THE 2020 3 hrs
      Select one course from 1.B.1 or 1.B.2 list 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 (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 (9 hrs)
   THE 2020* Survey of Theatre for majors 3 hrs
   THE 2304* Script Analysis 3 hrs
   THE 2090L* Theatre Participation – Management I 1 hr
   TPA 2200L* Theatre Participation – Production I 1 hr
   TPA 2190L* Theatre Participation – Production II 1 hr
   TPA 2201* Technical Theatre Production 2 hrs
   TPA 2201 Technical Theatre Production Lab 1 hr

3. Specialization: Lower Division (22 hrs)
   THE 2304* Script Analysis 3 hrs
   MUT 1104 Fundamentals of Music I 3 hrs
   MUT 1111 Music Theory 1A 3 hrs
   TTP 2110C Acting I – Introduction 3 hrs
   TTP 2170C Acting II – The Actor Prepares 3 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 (56 hrs)
   TTP 3172C Acting III - Building the Character 3 hrs
   TTP 4140C Acting IV – Creating the Role 3 hrs
   TTP 3250 Musical Theatre Acting Perf I 3 hrs
   TTP 3252 Musical Theatre Acting Perf II 3 hrs
   THE 4244 Musical Theatre History I 3 hrs
   THE 4245 Musical Theatre History II 3 hrs
   TTP 3223 Theatre Careers for Performance 3 hrs
   TTP 3XXX Theatre History and Drama, Lit I 3 hrs
   TTP 3XXX Theatre History and Drama, Lit II 3 hrs
   TTP 3310C Directing I 3 hrs
   TTP 4193 Theatre Participation – Performance I 1 hr
   TTP 3257 Musical Theatre Voice I 2 hrs
   TTP 3258 Musical Theatre Voice II 2 hrs
   TTP 4259 Musical Theatre Voice III 2 hrs
   TTP 4923 Musical Theatre Voice IV 2 hrs
   TTP 4XXX Musical Theatre Voice V 2 hrs
   TTP 4XXX Musical Theatre Voice VI 2 hrs
   TTP 4XXX Musical Theatre Voice VII 2 hrs
   TTP 4XXX Theatre Capstone 3 hrs
   TTP 4540L Theatre Internship 6 hrs

4A. Movement Electives (2 hrs)
   TTP 4531C Period Movement 2 hrs
   TTP 3512C Stage Combat 2 hrs
   Any DAA or DAN courses not already required and with departmental approval

4B. Restricted Electives (4 hrs)

Chosen from the following:
   TTP 3730C Voice Production IV – Study of Stage Dialects 2 hrs
   TTP 4142C Acting V - Verse 3 hrs
   TTP 4265C Acting VI – Acting for TV/Film 3 hrs
   THE 3320 Communicating within Cultural Diversity 3 hrs
   THE 5307* Contemporary Theatre 3 hrs

UCF Degree Programs
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
- Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards your 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129

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
- TPA 2290L: may use TPA 1290
- TPA 2190: may use TPA 1190
- TPA 2201: may use TPA 2200 or TPA 2210

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 2290L: may use TPA 1290
- TPA 2190: may use TPA 1190
- TPA 2201: may use TPA 2200 or TPA 2210
MINORS AND CERTIFICATES

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

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." 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 Humanics
American Sign Language
American Studies
Anthropology
Anthropology in Multicultural Studies
Art History
Art - Studio
Asian Studies
Astronomy
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences & Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Deaf Studies
Digital Media
Early Childhood Education
e-Business
Economics
Emergency Management & Homeland Security
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Writing and Editing
English - Writing
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Fitness Training
Finance
French
German
Health Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
International and Global Studies
International Business
Interpersonal Communication
Intelligent Robot Systems - Interdisciplinary
Italian
Judaic Studies
Latin American Area Studies
Legal Studies
Magazine Journalism
Management Information Systems
Mass Communication
Mathematics
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
North American Indian Studies
Organizational Communication
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Religious Studies
Secure Computing and Networks
Social Sciences - Interdisciplinary
Sociology
Space Studies
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technology and Society
Theatre - General
Urban and Regional Planning
Women's Studies
World Comparative Studies

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
Digital Media Certificate
Entertainment Marketing Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Jazz Studies 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
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
Translation and Interpretation Certificate
Women's Studies Certificate

Additional UCF Programs
Foreign Study Abroad Program:
Dominica
France
Germany
Italy
Japan
South Africa
Spain
English Study Abroad Program:
Mexico
Scotland
ACCOUNTING:
Minor for Business and Non-Business Majors
College of Business Administration
School of Accounting, BA 437
(407) 823-2871

Credit Hour Requirements 21 hours
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 3 hrs
- ACG 3361 Intermediate Managerial Accounting 3 hrs

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 3414 Intermediate Financial Accounting 3 hrs
- ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4671 Internal 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 3265 MIS Techniques 3 hrs
- ISM 4212 Database Management Systems 3 hrs

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

AGENCY STUDIES: Minor
College of Engineering and Computer Science
Air Force ROTC, TR 501 103
Col. William G. Palmby, 407-823-1247

Credit Hour Requirements 16 hrs
Required Courses (16 hr)
- AFR 2111C The Air Force Today I 3 hrs
- AFR 2111C The Air Force Today II 1 hr
- AFR 2130C The Development of Air Power I 1 hr
- AFR 2131C The Development of Air Power II 1 hr
- AFR 2230C Air Force Leadership and Management I 3 hrs
- AFR 3230C Air Force Leadership and Management II 3 hrs
- AFR 4201C Nat Scrtty Affairs & Prep for Active Duty I 3 hrs
- AFR 4210C Nat Scrtty 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.
- 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 201G
http://www.cas.ucf.edu/africanamericanstudies
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 hours
Required Courses (6 hrs)
- AFA 3104 The African American Experience 3 hrs
- AMH 2572 Black American History I 3 hrs

Restricted Electives (12 hrs)
- AFA 3551, 4932, 4961, 4932, 4961
- AMH 2572 Black American History I 3 hrs
- FIL 3412 Black Cinema 3 hrs
- INR 3263 International Politics of Africa 3 hrs
- LAY 3700 Race and Ethnic Minorities in the U.S. 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) 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 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 1 204
BSW Coordinator, HPA 204, 407-823-2114

In recognition of the special needs of the elderly citizens of 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. The program may be a particular interest to students who are majoring in health sciences, psychology, social work, nursing, sociology, business, exercise science, physical education, or art education. Also all students must contact the coordinator for planning their internship.

Credit Hour Requirements 18 hours
Required Courses (3 hrs)
- GEY 3001 Gerontology: Interdisciplinary Overview 3 hrs
- Required Internship: 120 hours

Select one:
- SOW 4510 Field Education 9 hrs
- HSA 4941 Internship 3 hrs
- SYP 4941 Internship 3 hrs

Elettes (12 hrs)
Students select four additional courses from the following: A maximum of two courses in their College and at least two courses must be outside their college.

College of Health and Public Affairs
- HSA 2220 Long Term Care 3 hrs
- HSA 2220 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

College of Arts and Sciences
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Sociology of Aging 3 hrs
- GEY 3930 Women and Aging 3 hrs
- SYP 4930 Literature of Aging 3 hrs
- SYP 4734 Minority Aging 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.
- No credit by exam (TSD, Military credit) may be used.
Minors

- Independent Study credit may not be used toward the minor

AMERICAN HUMANICS: Minor
American Humanities Minor with National Certificate
College of Health and Public Affairs
Joan Nelson, MBA, MSW - Campus Director
Phone 497-823-0713; e-mail ahminor@mail.ucf.edu

The American Humanities Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students and community residents planning a career as a nonprofit professional working with America’s youth and families. This minor will result in a National Certification in American Humanities Academic Program. Requirements for the minor are the same as for national certification.

Credit Hour Requirements (18 hours)
Required Courses (6 hrs)
- PAD 3930 American Humanities Human Service Workshop 3 hrs
- PAD 4144 Nonprofit Organizations
- PAD 4148 Volunteer Management
- *SOW 3203 Social Welfare and Community Resources
- *SOW 3104 Assessing I - Human Development
- DEP 2904 Developmental Psychology
- PPE 3003 Personality Theory
- DEP 3464 Psychology of Aging

Group II: Planning & Evaluation and Human Resource Development (3 hrs)
- PAD 4144 Nonprofit Organizations
- PAD 4153 Strategic Planning & Implementation
- PAD 4325 Program Evaluation for the Public and Nonprofit Organizations
- PAD 4414 Human Resource Management
- *SOW 3401 Social Work Research Methods
- MAN 3025 Management of Organizations
- MAN 3301 Human Resource Management
- MAN 4101 Human Relations in Management
- MAN 4320 Human Resources, Recruitment & Selection

Group III: Communication & Marketing (3 hrs)
- PAD 4144 Nonprofit Organizations
- *SOW 3352 Practice II: Interpersonal Skills
- COM 3110 Business & Professional Communications
- GEB 3031 The Cornerstone Course
- MAR 3023 Marketing
- MAR 3641 Marketing Intelligence
- MAR 4803 Marketing Management

- PAD 4144 Nonprofit Organizations
- ACG 2021 Financial Accounting
- ACG 2071 Managerial Accounting
- PAD 5850 Grant and Contract Management
- PAD 4204 Fiscal Management
- PAD 4131 Public Sector Project Management
- PAD 4147 Resource Development in the Nonprofit Sector

Or

Public Affairs Emphasis

Restricted Electives Choose at least two from the following (6 credit hours)
- PAD 4131 Public Sector Project Management
- PAD 4144 Non-Profit Organizations
- PAD 4147 Resource Development in the Nonprofit Sector
- PAD 4204 Fiscal Management
- PAD 4325 Program Evaluation for the Public and Non-Profit Organizations

Restricted Electives Choose at least two from the following (6 credit hours)
- PAD 4148 Volunteer Management
- PAD 4153 Planning and Improvement for Public Organizations
- PAD 4223 Public Budgeting

PAD 4253 Community and Economic Development
* open only to SOW majors

Other Requirements
- Enrollment in American Humanities Certificate Program through AH program office.
- Attendance at one national American Humanities Management Institute (additional fees)
- Membership in UCF American Humanities Student Association

AMERICAN SIGN LANGUAGE: Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders
http://www.cohpa.ucf.edu/comdis
HPA II, Room 101

The American Sign Language Minor addresses a growing interest in American Sign Language (ASL) as a minority and indigenous language in the United States. Through the minor students not only acquire a second language that they may use to communicate with the deaf community, but they also learn a non-Indo-European linguistic structure. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in interpersonal and organizational communication, general and special education, communicative disorders, criminal justice, the health professions, and social work. Additionally, a minor in American Sign Language will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge of this language.

Credit Hour Requirements (22 hours)
Required Courses
- SPA 4612 Introduction to American Sign Language 4 hrs
- SPA 4613 Intermediate American Sign Language 4 hrs
- SPA 4614C American Sign Language III 4 hrs
- SPA 4615 American Sign Language IV 4 hrs
- SPA 4617 Signed Language Linguistics 3 hrs

Choose One of the Following:
- SPA 2631 Issues in Deafness 3 hrs
- SPA 3632 Communication Disorders in the Deaf* 3 hrs
- SPA**** Educational Implications of Deafness 3 hrs

Other Requirements
- A minimum of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor 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 minor.

AMERICAN STUDIES: Minor
College of Arts and Humanities
http://www.cas.ucf.edu/liberal_studies
E-mail: stebbins@mail.ucf.edu
407-823-3253

Credit Hour Requirements (21 hours)
Required Courses
Select one course in each of the three categories below
Literature and Humanities
- AML 3031 American Literature I
- AML 4101 American Novel
- AML 4261 Literature of the South
- AML 3682 Ethnic Literature in America
Social Sciences
- POS 3413 The American Presidency
- POT 3204 American Political Thought
- SYD 3700 Race and Ethnic Minorities in the U.S.
- SYP 3630 Sociology of Popular Culture
History
- AMH 3423 Florida History 1845-present
- AMH 3561 Women in American History I
- AMH 4110 Colonial America, 1607-1763
- AMH 4130 The Age of the American Revolution
- AMH 4311 American Culture I
ANT 4308 Gender Issues in Latin America
ANT 4312 Ethnology of North Amer Indians
ANT 4313 Indians of N Amer High Plains
ANT 4314 Indians of the SE US
ANT 4315 Indians of the Northeast Woodlands
ANT 4316 Black/Seminoles Relations
ANT 4317 Indians of the Northwest Coast
ANT 4320 Indians of the Southwest
ANT 4318 The Incas
ANT 4331 Peoples and Culture of Latin America
ANT 4338 Anthropology of Tourism
ANT 43701 Applied Anthropology
ANT 4702 Culture, Power, and Development
ANT 4802 Ethnographic Field Methods
ANT 5363 Anthropology of Japan
ANT 5364 Language and Culture
ANT 5340 Caribbean Cultures
ANT 5373 History of Anthropological Thought
ANT 5466 Economic Anthropology
ANT 5470 Gender Issues in Latin America
ANT 5482 African Societies and Cultures
ANT 5494 Postcolonial Africa
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5624 Contemporary Maya

ANTHROPOLOGY IN MULTICULTURAL STUDIES: Minor
College of Sciences
Department of Sociology & Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro
anthropology@ucf.edu
Contact: A. Chase 407-823-2227

This minor develops a more sophisticated understanding of the cultural complexities of the Americas, Africa, and the Pacific. It is designed for students majoring in social sciences, political science, international business, or for any student seeking an enhanced understanding of the cultural diversity of the Americas, Africa, and the Pacific. 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 The Incas
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3302 Sex, Gender, and Culture
ANT 3312 Ethnology of North Amer Indians
ANT 3332 People and Cultures of Latin Amer
ANT 3340 Language and Culture
ANT 3430 Caribbean Cultures
ANT 3316 Black/Seminoles Relations
ANT 3319 The Anthropology of Diaspora
ANT 4438 Anthropology of Tourism
ANT 4467 Nutritional Anthropology
ANT 3701 Applied Anthropology
ANT 4702 Culture, Power, and Development
ANT 4266 Economic Anthropology
ANT 4396 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.

ANTHROPOLOGY: Minor
College of Sciences
Department of Sociology & Anthropology, PH 403
http://cas.ucf.edu/soc_anthro
anthropology@ucf.edu
Contact: A. Chase, 407-823-2227

The Anthropology minor develops a holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Credit Hour Requirements 18 hours
A. Concentration in General Anthropology
The following 2000 level courses must be taken:
ANT 2000 General Anthropology
ANT 2100 Archaeology & Rise of Human Culture
ANT 2410 Cultural Anthropology
Select two upper level (3000-5000) courses in Anthropology (6 hrs)

B. Concentration in Archaeology
The following 2000 level courses must be taken:
ANT 2000 General Anthropology
ANT 2100 Archaeology & Rise of Human Culture
Select from the following (12 hrs)
ANT 4101 Archaeological Sciences
ANT 4159 Florida Archaeology
ANT 3115 Archaeological Method and Theory
ANT 3142 Old World Prehistory
ANT 3145 Archaeology of Complex Societies
ANT 3163 Mesoamerican Archaeology
ANT 3164 Ancient Incas
ANT 3168 Maya Archaeology
ANT 4184 Mortuary Archaeology
ANT 3258 Life and Death in Ancient Egypt
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
ANT 4180C Seminar in Laboratory Analysis (or three 1 hr labs)
ANT 4824 Advanced Archaeological Field Work
ANG 5165 Field Research In Maya Studies
ANG 5166 Problems of Maya Archaeology
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography

C. Concentration in Physical Anthropology
The following 2000 level courses must be taken:
ANT 2000 General Anthropology
ANT 2511 The Human Species
Take four of the following courses:
ANT 4184 Mortuary Archaeology
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 4521C Forensic Anthropology
ANT 4462 Medical Anthropology
ANT 4516 Human Biological Diversity
ANT 4525C Human Osteology
ANT 4528C Advanced Forensic Anthropology
ANT 4586 Human Origins

D. Concentration in Cultural Anthropology
The following 2000 level courses must be taken:
ANT 2000 General Anthropology
ANT 2410 Cultural Anthropology
Take four of the following courses:

Other Requirements
Earn a grade of "C" (2.0) or better in all courses 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.
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*


J. Chavda, 407-823-2676

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>The History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>The History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Italian Renaissance Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3</td>
</tr>
</tbody>
</table>

**Non-western Course Requirement**

Select from the following:

- ARH 4545: Art of India
- ARH 3520: African Art
- ARH 4655: Meso American Art

**Restricted Elective**

- ARH 4350: Baroque Art
- ARH 4200: Medieval Art
- ARH 4892: Women in Art
- ARH 4800: Theory and Criticism of the Visual Arts

**Required Courses (27 hrs)**

- ART 2301C: Drawing Fundamentals II 3 hrs
- ART 2203C: Design Fundamentals 3-D 3 hrs
- ART 2201C: Design Fundamentals 2-D 3 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

**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*


J. Chavda, 407-823-2676

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

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

J. Chavda, 407-823-2676

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4350</td>
<td>Baroque Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval Art</td>
<td></td>
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<tr>
<td>ARH 4892</td>
<td>Women in Art</td>
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<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
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</tbody>
</table>

**Other Requirements**

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

**ASTRONOMY: Minor**

*College of Sciences*

*Department of Physics, MAP 310*

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Introductory Astronomy</td>
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<tr>
<td>AST 3722C</td>
<td>Observational Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3</td>
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<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3</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) in lower level courses are not accepted.
- 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.

**BIOLOGY: Minor**

*College of Sciences*

*Department of Physics, MAP 310*

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
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<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 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).
- At least fifteen credits hours must be earned in upper level credits.
- 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.

**Foreign Language Requirement**

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).
PCB 3023 Molecular Cell Biology 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 4680 Population Biology and Evolution 4 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours of upper division credit 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.
- Not open to Biology or Biology Preprofessional majors.

BUSINESS: Minor for Non-Business Majors
College of Business Administration, BA2-101
B. Moore, 407-823-5256, bmoore@bus.ucf.edu

Credit Hour Requirements 24 hrs

Required Accounting Course(s) (6 hrs)
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting

Required Courses (15 hrs)
- ECO 2013 Macroeconomics
- ECO 2023 Microeconomics
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- MAR 3023 Marketing

Restricted Elective (3 hrs)
A 3000 level business core course
(GEB 3004 may not be used)

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor and an overall GPA in the minor of 2.0 is required.
- Grades below “C” (2.0) are not accepted.
- At least 12 hours of upper division credit 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.

CHEMISTRY: Minor
College of Sciences
Department of Chemistry, CH 117
E-mail: chemistry@ucf.edu
Contact: Any Chemistry advisor

Credit Hour Requirements 21 hrs

Required Courses (21 hrs)
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3020 Analytical Chemistry 5 hrs

Restricted Upper Division Electives (7 hrs)
At least one course must be selected from group I and the remaining from group II and/or III:

Group I: Select at least one course
- CHM 3212 Organic Laboratory Techniques II
- CHM 4130C Advanced Analytical Laboratory Technique
- BCH 4100 Biochemical Methods
- CHS 3530C Forensic Analysis of Controlled Substances
- CHM 3411L Physical Chemistry Laboratory
- CHM 5451C 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.
- 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 Teaching and Learning Principles, ED 209
http://pegasus.cc.ucf.edu/~ucfphyed/minors.htm
Program Coordinator: Dr. Patricia Higginbotham
ED 320-H, 407-823-2050
E-mail: higginbp@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Credit Hour Requirements 18 hours

Required Courses (18 hrs)
- *PET 2622C Human Injuries 3 hrs
- PET3765 Coaching Theory 3 hrs
- PET3493 Sports Ethics 3 hrs
- PET4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods and Principles 3 hrs
- Select one course from the following:
  - PEG2624 Coaching Football or 3 hrs
  - PEO3644 Coaching Basketball or
  - PEO3324 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, CNH 411
http://www.cas.ucf.edu/philosophy/
E-mail: philosophy@ucf.edu
Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

The cognitive science 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
Minors

Neuroscience
PSB 3002 Physiological Psychology (PR: PSY 2012)
PSB 4240C Neuropsychology (PR: PSB 3002)
ZOO 744 Neurobiology (PR: BSC 2010C)
PSB 4422 Brainwaves and Behavior (PR: PSB 3002)

Philosophy
PHI 3320 Philosophy of Mind (PR: PHI 2010 or C.I.)
PHI 3323 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 3804C Psychological Help (PR: PSY 2012)
EXP 4507C Advanced Human Memory and Cognition
(PR: PSY 3213C and EXP 3604C)
EXP 3204C Perception (PR: PSY 2012, PSY 3213C)

Computer Science and Information Technology
CAP 4453 Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)
CAP 4630 Artificial Intelligence (PR: COP 3530C)
EEL 3520 Information Theory (PR: MAC 2147 or any calculus course; not open to EE or CE majors)
EEL 3552C Signal Analysis & Communications (PR: EEL 3004)

Language and Linguistics
LIN 3010 Principles of Linguistics (PR: ENC 1102)
LIN 3716 Language Development: Birth Through 8 Years (PR: DEP 2004)
LIN 3717 Language Development: 9-18 Years (PR: LIN 3716)
LIN 3640 Psycholinguistics

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)
- COP 4520 Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402C)
- CAP 5015 Multimedia Compression on the Internet (PR: Senior or graduate student)
- CAP 5415 Computer Vision (PR: COP 3530C)
- CAP 5512 Evolutionary Computing
- COP 4520 Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402C)
- LIN 4711 Language Analysis (PR: LIN 3716 and LIN 3717)
- LIN 4711L Language Analysis Lab (PR: LIN 3716 and LIN 3717)
- PHI 3626 Advanced Ethics in Science and Technology (PR: COP 3502C or DIG 2000 or C.I.)
- PHI 2101 Critical Thinking
- PHI 2101 Formal Logic I
- PHI 4500 Metaphysics (PR: Philosophy Major or C.I.)
- PHI 4321Philosophy of Embodiment (PR: Junior standing and either PHI 2010, PHI 2011, PHI 2101, or C.I.)
- MAP 4103 Mathematical Modeling I (PR: MAC 2311 or MAC 2281 and MAP 2302)
- PSY 4025 The Psychology of Art (PR: PSY 2012 and ARH 205x)
- PSY 3213C Research Methods in Psychology (PR: PSY 2012 and STA 204C or STA 2023)
- EXP 3204C Perception (PR: PSY 2012 and PSY 3213C)

(Electives may also be chosen from Required Courses above)

Other Requirements
- A minimum GPA of 1.75 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Licensed Speech Language 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.

COMMUNICATION SCIENCES AND DISORDERS: Minor

College of Health and Public Affairs
Department of Communicative Disorders
HPA2 Suite 101
Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798
E-mail: jschwart@mail.ucf.edu
http://www.cohpa.ucf.edu/comdis

Credit Hour Requirements 20 hours
Required Courses
- SPA 3471 Communication Disorders I: Introduction 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 Lifespan 3 hrs
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMMUNITY ARTS—PAVE: Minor

College of Arts and Humanities
Department of Art, VAB 117
http://www.art.ucf.edu/
E-Mail: art@ucf.edu
Kevin Haran, 407-823-5203

Minor Requirements
Partners in Art in Visual Education (PAVE)
A minor in Community Arts—PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the department chair.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMPUTER SCIENCE: Minor

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science, Harris Corp Engineering Ctr, Rm 245
E-mail: computercience@ucf.edu
http://www.cs.ucf.edu
Mark Llewellyn, 407-823-2341

Credit Hour Requirements 20 hours
Required Courses (20 hrs)

- COP 3223 Intro to Programming with C 3 hrs
- COP 3330 Intro to Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3506C Computer Science III 3 hrs
- COP 4630 Artificial Intelligence (PR: COP 3530C and COP 3402C) 3 hrs
- MAD 2104 Foundations of Discrete Mathematics 3 hrs
Minors

CDA 3103C Comp. Organization 4 hrs

Other Requirements
- Not open to Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

CRIMINAL JUSTICE: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
HPA1 311
Dr. Mary Ann Eastep, 407-823-3598
cjadwise@mail.ucf.edu

Credit Hour Requirements 18 hours

Required Courses
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 301A Crime in America 3 hrs

Restricted Electives (12 hrs)
- Two of the following:
  - CJL 3510 Prosecution and Adjudication
  - CJC 3010 The Corrections and Penology
  - CJE 4014 Police and Society
  - Six semester hours of Criminal Justice Courses (selected with the aid of an advisor).

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu
bvernon@mail.ucf.edu
Brian Vernon, 407-823-2862

Credit Hour Requirements 18 hrs

Entrance Requirement
A successful audition

Required Courses
- DAN 3134 Dance History I 3 hrs
- DAA 2500C Modern Dance I 2 hrs
- DAA 2200C Ballet I 2 hrs
- DAA 3680 Dance Performance 1 hr

Electives (7 hrs)
- DAA 2570C Jazz Dance I 2 hrs
- DAA 2571C Jazz Dance II 2 hrs
- DAA 3502C Jazz Dance III 2 hrs
- DAA 2520C Tap Dance I 2 hrs
- DAA 2521C Tap Dance II 2 hrs
- DAA 3524C Tap Dance III 2 hrs
- DAA 2201C Ballet II 2 hrs
- DAA 3202C Ballet III 2 hrs
- DAA 2101C Modern Dance II 2 hrs
- DAA 3102C Modern Dance III 2 hrs
- DAA 2393C World Dance 2 hrs
- DAA 3645 Choreography Practicum 2 hrs
- DAA 3690 Dance Performance 1 hr
- THE 2090L Theatre Participation 1 hr

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.

Digital Media Program, 500 OTC
http://www.creat.cas.ucf.edu
bowers@mail.ucf.edu
Clint Bowers, 407-823-6100

Credit Hour Requirements 18 hrs

Required Courses:
- DIG 3001 Principles of Digital Media
- DIG 3135C Digital Imaging
- DIG 4716L Internet Interaction
- COP 2500C Concepts in Computer Science

Restricted Elective Courses 6 hrs

Select two courses:
- IDS 3701C Internet Software Design
- DIG 3286C Assembling Digital Media
- FIL 3625 Interactive Entertainment
- DIG 4921C Media for e-Commerce I
- DIG 4641 Creative Digital Devices
- DIG 4780 Modeling for Realtime Graphics
- DIG 3855 Converging Media
- DIG 4640 Autonomous Media
- DIG 4715C Game Engines
- DIG 4713C Game Design

Other Requirements
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.

DEAF STUDIES: Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders
http://www.cohpa.ucf.edu/comdis
HPA II, Room 101

The Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a 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 useful to their major, in particular those majoring in interpersonal and organizational communication, psychology, sociology, the health professions, and social work. Additionally, a minor in Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge in the field.

Credit Hour Requirements 21-22 hours

Required Courses:
- SPA 2631 Issues in Deafness 3 hrs
- SPA 4612 Introduction to American Sign Language 4 hrs
- SPA 4613 Intermediate American Sign Language 4 hrs
- SPA 4614C American Sign Language III 4 hrs

Choose One of the Following:
- SPA 461C American Sign Language IV 4 hrs
- SPA 3632 Communication Disorders in the Deaf 3 hrs
- SPA 4617 Signed Language Linguistics 3 hrs
- SPA**** Educational Implications of Deafness 3 hrs

Other Requirements
- A minimum of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor 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 minor.

DIGITAL MEDIA: Minor
College of Arts and Humanities
Digital Media Program, 500 OTC
http://www.creat.cas.ucf.edu
bvernon@mail.ucf.edu
Brian Vernon, 407-823-2862

Credit Hour Requirements 18 hrs

Required Courses:
- DIG 3001 Principles of Digital Media
- DIG 3135C Digital Imaging
- DIG 4716L Internet Interaction
- COP 2500C Concepts in Computer Science

Restricted Elective Courses 6 hrs

Select two courses:
- IDS 3701C Internet Software Design
- DIG 3286C Assembling Digital Media
- FIL 3625 Interactive Entertainment
- DIG 4921C Media for e-Commerce I
- DIG 4641 Creative Digital Devices
- DIG 4780 Modeling for Realtime Graphics
- DIG 3855 Converging Media
- DIG 4640 Autonomous Media
- DIG 4715C Game Engines
- DIG 4713C Game Design

Other Requirements
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.
Minors

EARLY CHILDHOOD EDUCATION: Minor
College of Education
Department of Child, Family, and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~eceucf/
Program Coordinator: Lynn Hartle (Until August 2006)
ED 206, 407-823-0045
E-mail: ece@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.

Credit Hour Requirements 21 hrs
Required Courses (18 hrs)
RED 3310 Emergent Literacy 3 hrs
ECC 3208 Play Development 3 hrs
EDE 3507 Learning Environments & Guidance 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs
EEX 4751 Parent Involvement 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Restricted Electives (choose one) (3 hrs)
EDF 3740 Foundations of ECE 3 hrs
EDF 3120 Observing Child Growth & Development 3 hrs
LAE 3414 Children’s Literature 3 hrs
RED 3012 Foundations of Reading 3 hrs
EEG 4731 Health Safety & Nutrition 3 hrs
RED 4311 Development of Literacy 3 hrs
MAE 4300 Exploring Mathematics 3 hrs
SCE 4023 Teaching Science & Technology 3 hrs

Other Requirements:

■ 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 credit will not be accepted for this minor.

■ At least 15 hours used in the minor must be earned at UCF with prior approval of the economic advisor.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY: Minor
College of Health and Public Affairs
Department of Public Administration
HPA2 238
Mr. Robert Morin, 407-823-2604; fax: 407-823-5651
Email: rmorin@mail.ucf.edu

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Environmental Protection Agency, Occupational Health and Safety Administration, the Orange County Emergency Management Division, the Federal Emergency Management Agency, the Department of Homeland Security and state and local Homeland Security agencies.

Credit Hour Requirements 21 hrs
Core Courses (18 hrs)
PAD 4110 Intergovernmental Administration 3 hrs
PAD 4392 Emergency Management and Homeland Security 3 hrs
PAS 4712 Information Systems for Public Managers and Planners 3 hrs
PAD 4395 Disaster Response and Recovery 3 hrs
PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (select one) (3 hrs)
CCJ 4661 Conflict & Terrorism 3 hrs
HSA 4938 Health Issues in Disasters 3 hrs

Other Requirements:

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

■ Grades below “C” (2.0) or “S” grades are not accepted.

■ At least 15 hours used in the minor must be earned at UCF within the department.

■ Internship or Independent Study cannot be used toward the minor.

ENGLISH - CREATIVE WRITING: Minor
College of Arts and Humanities
Department of English, CNH 301
english@ucf.edu
T. Kriese, 407-823-2212

Credit Hour Requirements 21 hrs
Required Course (3 hrs)
CRW 3013 Creative Writing for English Majors 3 hrs

Restricted Elective Courses (6 hrs)
Select one course after completing CRW 3013
CRW 3120 Fiction Writing Workshop 3 hrs
CRW 3111 Creative Nonfiction Writing 3 hrs
CRW 3310 Poetry Writing Workshop 3 hrs

Select one course
CRW 4122 Advanced Fiction Writing Workshop (PR: CRW 3120) 3 hrs
CRW 4224 Advanced Nonfiction Workshop (PR: CRW 3111) 3 hrs
CRW 4320 Advanced Poetry Writing Workshop (PR: CRW 3310) 3 hrs

Restricted Upper Division Electives (12 hrs)
CRW 3311 Structure of Verse 3 hrs
CRW 3310 Writing Scripts 3 hrs
CRW 4114 History of Prose Style 3 hrs
CRW 5932 Teaching Creative Writing 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - LINGUISTICS: Minor
College of Arts and Humanities
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
LIN 3010 Introduction to Linguistics 3 hrs
LIN 4100 History of the English Language 3 hrs
LIN 4680 Modern English Grammar 3 hrs

Restricted Upper Division Electives (9 hrs)
LIN 4643 Cross Cultural Communication 3 hrs
LIN 4660 Linguistics and Literature 3 hrs
LIN 4801 Language and Meaning 3 hrs
LIN 5137 Linguistics 3 hrs
ANT 3640 Language and Culture 3 hrs
PHI 4400 Philosophy of Science 3 hrs
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 - LITERATURE: Minor
College of Arts and Humanities
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 21 hrs
Required Course (3 hrs)
ENG 3014 Theories and Techniques of Lit Study

Restricted Upper Division Electives (18 hrs)
English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - TECHNICAL WRITING & EDITING: Minor
College of Arts and Humanities
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 18 hrs
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 Elements in Technical Communication 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documenting and Client-Based Collaboration 3 hrs
ENC 4295 Capstone Experience in Technical Writing 3 hrs

Students completing the minor may intern with a Central Florida corporation

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 - WRITING: Minor
College of Arts and Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 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 4320 Advanced Poetry Writing Workshop
ENC 3211 Theory and Practice of Technical Writing
ENC 3241 Writing for the Technical Professional
ENC 3290 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.

ENTREPRENEURSHIP: Business Minor
(Open to Business Students)
College of Business Administration
Management Department, BA1 309

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
MAN 3301 Human Resource Management
MAN 4802 Entrepreneurship
MAR 3391 Professional Sales or MAR 3641 Marketing Intelligence
GBE 4111 New Venture Finance
GBE 4117 Business Plan Preparation

Restrictive Elective (3 hrs)
Any 3000 or 4000 MAN course or BUL 4540 not in COB Common Body of Knowledge

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- 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 9 hours of required or elective coursework can count toward another major or minor degree program.

ENVIRONMENTAL STUDIES: Minor
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
http://liberalstudies.info
Internship or Independent Study require prior approval from the Liberal Studies Advising Team, 407-823-0144.

No credit by exam (TSD, Military credit) may be used.

At least 15 hours used in the minor must be earned at UCF.

18 hours must be taken at the upper division.

Credit Hour Requirements 21 hours

Note: It is the student's responsibility to ensure that any prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Course
IDS 3150 Foundations of Environmental Studies 3 hrs

Science & Environmental Electives (9 hrs)

Natural Sciences
BSC 1050/L Biology and Environment + lab
BSC 2011C Biology II
BOT 3152C Local Flora
BOT 4156C Florida Wildflowers
BOT 3800 Ethnobotany
BOT 4303C Plant Kingdom
BOT 4686C Conservation and Management of Native Plants
BOT 5623C Plant Geography and Ecology
BOT 4713C Plant Taxonomy
BSC 412C Marine Biology
PCB 3044/L Principles of Ecology and Lab
PCB 3442 Florida Aquatic Ecology
PCB 4302C Physiochemical Limnology
PCB 4303C Biological Limnology
PCB 4683 Population Biology and Evolution
PCB 5045C Conservation Biology
PCB 5326C Ecosystems of Florida
PCB 5435C Marine Ecology of Florida
PCB 5485 Models in Ecology
PCB 5328C Landscape Ecology
CHM 3120 Analytical Chemistry
CHS 4615 Environmental Chemistry
EPM 4500 Epidemiology

Environmental Engineering
ENV 3001 Introduction to Environmental Engineering
ENV 431 Solid Waste Management (9 hrs)

Social & Humanities Electives

Environment & Society
ECP 3303 Economics and the Environment or
ECP 4302 Economics of the Environment
ECO 4701 The Global Economy
IR 4351 International Environmental Law
PUR 3023 Environmental Politics
PUR 4503 Government and Science
PAD 4351 Issues in Environmental Program Management
PAD 5336 Introduction to Urban Planning
PAD 5338 Land Use and Planning Law
PLA 4651 Land Use and Environmental Law
PUR 4204 Sustainability

Geography
GEO 2370 Resources Geography
GEO 3042C GIS for Environmental Studies
GEO 4001C Advanced GIS Applications in Environmental Studies
GEO 4035C Remote Sensing of the Environment

Philosophy
PHI 3033 Philosophy, Religion, and the Environment
PHI 4430 Philosophy of Science
PHI 3640 Environmental Ethics
PHI 4633 Ethics and Biological Science
PHM 4031 Environmental Philosophy
PHM 5035 Environmental Philosophy

Sociology
SOP 3004 Social Psychology
SCE 4623 Teaching Science and Technology to Children
ANT 3312 Ethnology of North American Indians

Writing, Journalism Courses
JOU 4181 Public Affairs Reporting
PGY 3610C Photojournalism I
LIT 4433 Survey of Technical and Scientific Literature

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 Liberal Studies advisors to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor.

EUROPEAN STUDIES: Minor

College of Sciences

Department of Political Science, CNH 415
http://www.cas.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

Restricted Electives: (12 hrs)

Literature, Film, and Culture: (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENL 2022</td>
<td>English Literature II</td>
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<tr>
<td>ENL 4101</td>
<td>English Novel</td>
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<td>ENL 4240</td>
<td>English Romantic Writers</td>
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<td>ENL 4262</td>
<td>19th Century British Prose</td>
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<td>ENL 4273</td>
<td>Modern British Literature</td>
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<tr>
<td>FIL 3520</td>
<td>Italian Film</td>
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<td>FIL 3521</td>
<td>French Film</td>
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<td>FIL 3522</td>
<td>German Film</td>
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<tr>
<td>FRE 4500</td>
<td>French Civilization and Culture</td>
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<tr>
<td>FRW 4281</td>
<td>20th Century French Novels</td>
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<td>FRW 4324</td>
<td>20th Century French Drama</td>
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<tr>
<td>FRW 4532</td>
<td>French Romanticism</td>
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<td>FRW 4552</td>
<td>Nineteenth Century French Literature</td>
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<tr>
<td>GER 3102</td>
<td>Germany - Past to Present</td>
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<td>GER 4520</td>
<td>Modern Germany</td>
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<td>GEW 3101</td>
<td>Survey of German Literature II</td>
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<td>GEW 3370</td>
<td>German Short Story</td>
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<td>GEW 3480</td>
<td>German Post-War Literature</td>
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<tr>
<td>GEW 4482</td>
<td>German Children's Literature</td>
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<tr>
<td>GEW 4531</td>
<td>The Age of Goethe and Schiller</td>
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<tr>
<td>ITT 4956</td>
<td>Study Abroad: Italian Civilization</td>
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<tr>
<td>ITW 3101</td>
<td>Survey of Italian Literature II</td>
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<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
</tr>
<tr>
<td>LIT 4184</td>
<td>Irish Literature</td>
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<td>MUL 3604</td>
<td>German Song Literature</td>
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<td>MUL 3605</td>
<td>French Song Literature</td>
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<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II</td>
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<td>SPW 3370</td>
<td>Spanish Short Story</td>
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<td>20th Century Spanish Novel</td>
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<tr>
<td>SPW 4322</td>
<td>Contemporary Iberian Theatre</td>
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<tr>
<td>SPW 4450</td>
<td>Spanish Literary Theory</td>
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<td>SPW 4460</td>
<td>Nineteenth Century Spanish Literature</td>
</tr>
<tr>
<td>SPW 4720</td>
<td>The Generation of 1898</td>
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</table>

History (6 hrs)

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>EUH 3235</td>
<td>Romanticism and Realism</td>
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<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War</td>
</tr>
<tr>
<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe</td>
</tr>
<tr>
<td>EUH 3315</td>
<td>History of Modern Spain</td>
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<tr>
<td>EUH 3411</td>
<td>Ancient Rome</td>
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<tr>
<td>EUH 3431</td>
<td>History of Modern Italy</td>
</tr>
<tr>
<td>EUH 3451</td>
<td>History of Modern France</td>
</tr>
<tr>
<td>EUH 4284</td>
<td>Fascism and the Totalitarian Dictatorships</td>
</tr>
<tr>
<td>EUH 4400</td>
<td>The History of Ancient Greece</td>
</tr>
<tr>
<td>EUH 4465</td>
<td>Hitler's Third Reich</td>
</tr>
<tr>
<td>EUH 4501</td>
<td>English History: 1485-1815</td>
</tr>
<tr>
<td>EUH 4520</td>
<td>English History: 1815-Present</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century</td>
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<tr>
<td>EUH 4582</td>
<td>20th Century Russian Diplomatic History</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society</td>
</tr>
<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914</td>
</tr>
<tr>
<td>GER 4510</td>
<td>Life and Culture in Nazi Germany</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
</tr>
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</table>

Political Science or Economics (3 hrs)
## Minors

### required Courses (18 hrs)

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECO 4303</td>
<td>Economics of Globalization</td>
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<tr>
<td>ECO 4304</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECST 4303</td>
<td>Economics of European Integration</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
</tr>
</tbody>
</table>

### Credit Hour Requirements (20-21 hrs)

At least 12 hours must be earned at UCF within the department. A grade of "C" (2.0) or better is required in all courses used to satisfy the minor. No credit by exam (military credit, TSD) may be used. Transfer credits from other universities will be considered.

### Note:

Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission into the College of Education.

### Finance: Minor

#### Open to Business and Non-Business Students

Not available to Finance Majors

#### entrance Requirement

- **Required Courses:**
  - A student minoring in finance must earn a grade of "C" (2.0) or higher in each course attempted toward the requirements for the minor.

#### Credit Hour Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

#### Electives (select three of the following)

<table>
<thead>
<tr>
<th>Electives</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
</tr>
<tr>
<td>FIN 3470</td>
<td>Financial Statement Analysis</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
</tr>
<tr>
<td>FIN 4313</td>
<td>Management of Financial Institutions</td>
</tr>
<tr>
<td>FIN 4324</td>
<td>Commercial Bank Management</td>
</tr>
<tr>
<td>FIN 4424</td>
<td>Advanced Topics in Financial Management</td>
</tr>
<tr>
<td>FIN 4453</td>
<td>Financial Models</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management</td>
</tr>
<tr>
<td>FIN 4533</td>
<td>Financial Derivatives</td>
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<tr>
<td>FIN 4604</td>
<td>International Financial Management</td>
</tr>
</tbody>
</table>

### Other Requirements

- A student minoring in finance must earn a grade of "C" (2.0) or higher in each course applied toward the requirements for the minor. Students must have an overall GPA of 2.0 or higher in all courses attempted in 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.
Minors

- No credit by exam (TSD, Military credit) may be used.
- Internship or independent study credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

FITNESS TRAINING: Minor

College of Education
Department of Teaching and Learning Principles, ED 209
http://pegasus.cc.ucf.edu/~ucfphyed/minors.htm
Program Coordinator: Dr. Patricia Higginbotham
ED 320 H, 407-823-2050
Email: higginbp@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

- *PEM 2171 Biomechanics 2 hrs
- PET 2622C Human Injuries 3 hrs
- PET 4550 Fitness Assessment and Exercise 3 hrs
- PET 4083C Practical Fitness Training 4 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs

Note: ZOO 3736C should be taken prior to PET 4132, PET 4550, and PET 4083C

* If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C. This is also true for the Human Injuries course, PET2622C and the PEM 2171 Biomechanics course. Both of these courses are often completed at a community college.

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, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

FRENCH: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/furlang
Modernlanguage@ucf.edu

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

- 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, 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 Professions, HPA2 210
Thomas J. Falen, 407-823-2369
Email: tfalen@mail.ucf.edu

Credit Hour Requirements

*20 hrs

Required Courses

- HIM 3006 Foundations of Health Management Systems 3 hrs
- HIM 4506 Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3531 Medical Terminology 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs

Other Requirements

- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- 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 examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Professions, HPA 210
Thomas Falen, 407-823-2369
Email: falen@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 4201 Community Health Services 3 hrs
HSA 4180 Org and Mgmt for Health Agencies 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSC 4500 Epidemiology 3 hrs

Restricted Elective (3 hrs)
HSC 3640 Health Law or
HSC 4503 Health Care Ethics or
HSA 4109 Managed Care or
HSA 4902 Risk Management or HIM 4506 Quality Management

(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.
- 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 in the minor.
- Internship or Independent Study credit cannot be used toward the minor.

HISTORY: Minor
College of Arts and Humanities
Department of History, CNH 551
http://pegasus.cc.ucf.edu/~history/history@ucf.edu

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 ÒC-Ó (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 departmental 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, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Credit Hour Requirements 18 hours
Required Courses
HFT 3251 Restaurant Management 3 hrs
HFT 3273 Principles of Resort Time Sharing 3 hrs
HFT 4755 Theme Park & Attraction Mgmt 3 hrs
HFT 2750 The Event Industry 3 hrs
FSS 2212C Quantitive Food Preparation 3 hrs
HFT 2254 Lodging Operations 3 hrs

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

HUMANITIES: Minor
College of Arts and Humanities
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
Bruce Janz, 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 Liberal Arts 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 hours
Select two courses:
HUM 3431 Ancient Humanities
HUM 3435 Medieval Humanities
HUM 3255 Modern Humanities
HUM 3252 Contemporary Humanities

Humanistic/Religious Traditions 6 hours
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
JST 3401 The Jewish People I

Applications 6 hours
Select two courses:
PHI 3803 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3162 Healing: Culture, Art, and Praxis
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4454 Religious Quest and the Human Dilemma
HUM 4330 Performance Theory
PHI 3022 Sexuality, Gender & Philosophy
PHI 3368 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 Classical Ideal
HUM 4303 Spiritual Ideal
PHI 4804 Critical Theory
PHI 3800 Aesthetics
PHI 3700 Philosophy of Religion
CLA 3850 Classical Mythology
CLA 3851 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.

 Minors
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Minors

- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INFORMATION TECHNOLOGY: Minor

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 245
E-mail: computersonscience@ucf.edu
http://www.cs.ucf.edu
Mark Llewellyn, 407-823-2341

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 Liberal Studies Majors):
  - CGS 1060C or CGS 2100CC 3 hrs
  - COP 2500C Concepts in Computer Science 4 hrs
- Option 2 (Not open to Computer Science Minors or Liberal Studies Majors):
  - COP 3223 Intro to Programming with C 3 hrs
  - COP 3502C Computer Science I 3 hrs
- Option 3 (Computer Science Minors and Liberal Studies Majors Only):
  - CGS 1060C or CGS 2100CC 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- CGS 3346C Unix Operating Systems 3 hrs
- CGS 3545C Database Concepts 3 hrs
- CGS 2585C Desktop/Internet Publishing 3 hrs
- CGS 3175 Internet Applications 3 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- CGS 3285 Computer Networks Concepts 3 hrs
- CGS 3763 Operating Systems Concepts 3 hrs

College Electives (3-6 hrs)
Options 1 and 2 3 hrs
Options 3 6 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internships, 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 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

INTERNATIONAL AND GLOBAL STUDIES: MINOR

College of Sciences
Department of Political Science, CNN 415
http://www.cs.ucf.edu/politicalscience
email: 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.

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 4090 Diplomacy
- INR 4076 Global Drug Policy
- INR 4075 Human Rights Policy
- INR 4714 International Trade Policy
- INR 4035 Politics of International Political Eco
- INR 4603 International Political Theory
- INR 4350 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. Courses may not have a prefix of INR, CPO, POT, POS or PUP.
Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies

Restrictive Electives (3 hrs)

Language Requirement (3-14 hrs)
- 3-credit Foreign Language across the Curriculum (FLAC) courses 3 hrs
- Foreign Language Requirement 0-11 hrs
  - 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.

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.

INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements 18 hrs
Required Courses (12 hrs)
- ECO 3703 International Trade 3 hrs
- ECO 4XXX International Macroeconomics 3 hrs
- FIN 4604 International Financial Management 3 hrs
- MAN 4600 International Management 3 hrs
- MAR 4156 International Marketing 3 hrs

Elective (6 hrs)
- ECO 3703 International Trade
- ECO 4XXX International Macroeconomics
- ECO 4701 Seminar in Global Economic Policy
- ECS 4013 Economics of Developing Areas
- GEO 3471 World Political Geography
- INR 4035 International Political Economy
- INR 4224 Contemporary International Politics of Asia
- INR 4243 International Politics of Latin America
- INR 4401 International Law I
- MAR 4724 Strategic Foundations in Global e-Business

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 College of Business Administration.
No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.

**INTERPERSONAL COMMUNICATION: Minor**
College of Sciences
Nicholson School of Communication, COM 258
407-823-2852
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Contact: Susan Jefferson

Not open to Interpersonal/Organizational Communication majors.

Credit Hour Requirements 21 hrs

Required Courses (6 hrs)
- COM 3311 Communication Research Methods
- SPC 3300 Interpersonal Communication

Restrict Electives (9 hrs)
- SPC 3311 Communication and Human Relations
- SPC 4331 Nonverbal Communication
- SPC 4540 Attitudes and Communication
- SPC 4426 Group Dynamics
- COM 4461 Intercultural Communication
- COM 4462 Conflict Management

If a student chooses to take a third course, it will be counted as an elective.

**INTELLIGENT ROBOTIC SYSTEMS (IRS): INTERDISCIPLINARY Minor**
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
Paul Edlen, 407-823-2455, paule@mail.ucf.edu
http://www.cecs.ucf.edu

Credit Hour Requirements 18 hrs

Required Courses 9 hrs
- EGN 3060 Introduction to Robotics 3 hrs

Select two courses from the following five areas:

- Control Systems
  - EEL 3575 Linear Control Systems 3 hrs
  - EML 4312 Feedback Control 3 hrs
- Manipulation and Rigid Body Motion
  - EGN 3521 Engineering Analysis – Dynamics 3 hrs
  - EML 3262 Kinematics of Mechanism 3 hrs
- Computer Vision and Intelligent Systems
  - CAP 4453 Robot Vision 3 hrs

If a student chooses to take a third course, it will be counted as an elective.

Elective Courses 9 hrs
Select any three elective courses from the following courses:
- Path Planning, Autonomous Systems, Controls, Signal/Image Processing
  - EEL 4664 Autonomous Robotic Systems 3 hrs
  - EEL 4612 Intro to Modern and Robust Ctrl 3 hrs
  - EEL 4750 Digital Signal Proc Fund 3 hrs
- Linear Systems Theory
  - EEL 5173 Linear Systems Theory 3 hrs
  - EEL 5513 DSP Applications 3 hrs
  - EEL 5630 Digital Control Systems 3 hrs
  - EML 5820 Image Processing 3 hrs
  - EML 5825 Pattern Recognition 3 hrs
  - EML 5531 System Control 3 hrs
- Computer Vision and Intelligent Systems
  - CAP 5415 Computer Vision 3 hrs
  - CAP 5512 Evolutionary Computation 3 hrs
  - CAP 5610 Machine Learning 3 hrs
- Mechatronics and MEMS
  - EML 3804 Digital Control in Mechatronics 3 hrs
  - EEL 5625 Applied Control Systems 3 hrs
  - EEL 5290 Intro to MEMS & Micromachining 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGN 4412 and EGN 4413) and to undertake a project in intelligent robotic systems. If done, a certificate will be issued with the minor.
- A high-level programming language class (EML 3110 or EML 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.

**ITALIAN: Minor**
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/forlang/
Modernlanguage@ucf.edu
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 201
http://www.cas.ucf.edu/judaic_studies
E-mail: judaicst@ucf.edu
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 Liberal Studies and Women’s Studies Programs. Students who desire to minor in Judaic Studies are encouraged to meet with the program director. For Certificate requirements, refer to the section on Judaic Studies Certificate.

Credit Hour Requirements 18-26 hrs

Required Courses (or proficiency) 12 hrs
- HBR 1120 Elementary Modern Hebrew Lang and Cult I
- HBR 1121 Elementary Modern Hebrew Lang and Cult II

Restricted Upper Division Electives 6 hrs

**Jewish History**
- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust

**Bible**
- JST 3144 Dead Sea Scrolls
- JST 3120 Jewish Scriptures
- JST 3125 The Book of Job
- JST 3126 System Control
- JST 3144 Dead Sea Scrolls

**Literature**
- JST 3100 The Hebrew Creative Mind
- JST 3571 Literature of the Holocaust

**Culture**
- JST 3450 Modern Jewish Experience
- JST 3820 Modern Hebrew Culture
- JST 3210 The Jewish National Movement
Latin American Studies: Minor
College of Arts and Humanities

VAB 203
(407) 823-1173 or 1174
Dr. Luis Martinez-Fernandez, Program Director
martfern@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Credit Hour Requirements 18 hrs

Admission Requirement
Admission by interview with the Program Director.

Required Skills
Successful completion of SPN 1120 and SPN 1121 or demonstration of proficiency.

Restricted Electives (18 hrs)
At least 6 hours must be from one disciplinary group, and at least 3 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 3332A0 People and Cultures of Latin America
ANT 4340 Caribbean Cultures
ANT 4308A0 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 Modern Hebrew Language and Culture I
HBR 2201 Intermediate Modern Hebrew Language and Culture II
HBR 3410 Conversational Israeli Hebrew
Other courses, including special topics, with the approval of the Director

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

LATIN AMERICA AREA STUDIES: Minor
College of Arts and Humanities

VAB 203
(407) 823-1173 or 1174
Dr. Luis Martinez-Fernandez, Program Director
martfern@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Credit Hour Requirements 18 hrs

Admission Requirement
Admission by interview with the Program Director.

Required Skills
Successful completion of SPN 1120 and SPN 1121 or demonstration of proficiency.

Restricted Electives (18 hrs)
At least 6 hours must be from one disciplinary group, and at least 3 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 3332A0 People and Cultures of Latin America
ANT 4340 Caribbean Cultures
ANT 4308A0 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 4830 Latino/Latina Literature
SPN 3852 Bilingualismo
SPW 4730 Hispanic Literature of the United States
SPN 4780 Spanish Phonetics

History:
LAH 3130A0 Latin American History I
LAH 3200 Latin American History II
LAH 3408A0 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

LEGAL STUDIES: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA 311

David B. Slaughter, 407-823-2603
E-mail: dslaught@mail.ucf.edu

Credit Hour Requirements 21 hrs

Required Courses (3 hrs)
PLA 3013 Law and the Legal System

Restricted Upper Division Electives (15 hrs)
15 semester hours of legal studies courses selected with the aid of an advisor.

Restricted Electives (3 hrs)
3 semester hours of law-related courses selected with the aid of an advisor.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

MAGAZINE JOURNALISM: Minor
College of Sciences
Nicholson School of Communication, COM 258
http://www.cas.ucf.edu/communication
E-mail: journalism@ucf.edu

Contact: Fred Fedler, 407-823-2839

Prerequisites
- Grammar proficiency requirement
- A minimum UCF GPA of 3.3

Credit Hour Requirements 18 hrs

Required courses (9 hrs)
JOU 2100C News Reporting
JOU 3510 Magazine Publishing
JOU 4224 Magazine Editing and Production
PLA 3013 Law and the Legal System

Restricted Upper Division Electives (9 hrs)
ENC 3310 Magazine Writing I
JOU 3201 Editing I
JOU 3202 Editing II
JOU 4300 Feature Writing
JOU 4308 Freelance Writing
JOU 4340C New Media Studies

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
MANAGEMENT INFORMATION
SYSTEMS: Minor
(For both Business and Non-Business Majors)
Department of MIS, BA 325
College of Business Administration
407-823-3173
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 10 hrs
- ISM 3011 Management Information Systems 3 hrs
- ISM 3253 MIS Techniques 4 hrs
- ISM 4212C Database Management 3 hrs

Electives (choose three) 9 hrs
- Any 4000 or 5000 Level ISM course from those listed below or others with the permission of the MIS Department Chair.

MASS COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication, COM 228
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Contact: M. A. Shaver, 407-823-2661 or J. Jefferson, 407-823-3978
Credit Hour Requirements 18 hrs
Restricted Electives (18 hrs)
Select from the following:
- MMC 2004 Mass Media
- ADV 3000 Principles of Advertising
- COM 3390 Computer Mediated Communication
- FIL 2400 History of Motion Pictures
- FIL 3006 Art of the Cinema
- FIL 3410 History of Animated Films I
- JST 3004 History of American Journalism
- MMC 3420 Mass Media Research Methods
- MMC 4200 Mass Communication Law
- MMC 4300 International Media
- PUR 4000 Public Relations
- RTV 3000 Dev & Stuct 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) in lower level courses 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.

MATHEMATICS: Minor
College of Sciences
Department of Mathematics, MAP 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu
Credit Hour Requirements 21 hrs
Required Courses (15 hrs)
- MAC 2311 Calculus with Analytic Geo I 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

Restrictive 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, except MAP 3401)
- MAS XXXX (any 3000, 4000, or 5000 level course)
- MTG XXXX (any 3000, 4000, or 5000 level course)

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.

MIDDLE EASTERN STUDIES: Minor
College of Arts and Humanities
Middle Eastern Studies Program, CNH 411J
Husain Kassim, 407-823-2803
The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.
Credit Hour Requirements 21 hrs
Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (12 hrs)
Additional courses may be used only with prior permission of the program director. Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120, 1121) and/or Hebrew (HBR 1120, 1121).

Other Requirements
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division.
- A grade of “C” or above (2.0) is required in each course for the minor.
Minors

- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MILITARY SCIENCE: Minor
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Allison R. Reinwald, 407-823-2430

Credit Hour Requirements 19 hours
Required Courses
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs
- 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 or Independent Study credit cannot be used toward the minor.

MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor
Burnett College of Biomedical Sciences
Department of Molecular Biology and Microbiology,
HPA 335, 407-823-5932
Chair: P.E. Kolattukudy

Credit Hour Requirements 30 hrs
Required Courses (23 hrs)
- BSC 2000C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233 Immunology or
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3238L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Restricted Electives (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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

MUSIC: Minor
College of Arts and Humanities
Department of Music, CNH 205
http://www.cas.ucf.edu/music/moore
music@ucf.edu
TBA, 407-823-2869

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
- MUT 1111 Music Theory IA 2 hrs
- MUT 1112 Music Theory IB 2 hrs
- MUT 1241 Ear Training and Sight Singing IA 1 hr
- MUT 1242 Ear Training and Sight Singing IB 1 hr
- MUL 2010 Enjoyment of Music 3 hrs

Restricted Electives (9 hrs)
Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.
- 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 (any course) 3 hrs
  (3000 or 4000 level course)

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.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Sciences
Department of Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro
E-mail: anthropology@ucf.edu
Contact: Rosalyn Howard, 407-823-2227

The North American Indian Studies minor will develop a more sophisticated 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 Amer Indians
- ANT 3313 Indians of the N Amer High Plains
- ANT 3311 Indians of the SE United States
- ANT 3198 Florida Archaeology
- ANT 4906 Independent Study
- ANT 3314 Indians of the NE Woodlands
- ANT 3312 Ethnology of N Amer Indians
- ANT 3316 Black/Seminole Relations
- ANT 43220 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.

ORGANIZATIONAL COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication, COM 258
407-823- 2852
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Contact: Susan Jefferson
Not open to Interpersonal/Organizational Communication majors.

Credit Hour Requirements 21 hrs
Required Courses (6 hrs)
- COM 3310 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
PHILOSOPHY: Minor

College of Arts and Humanities
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
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 hours

Core Requirements (15 hrs) Select one course from each of the following groups:

- Reasoning
  - PHI 2011 Philosophical Reasoning
  - PHI 2101 Critical Thinking
  - PHI 2108 Formal Logic I
  - PHI 2647 Logic and Ethics
  - PHI 3131 Formal Logic II

- History of Philosophy
  - PHI 3100 Ancient Philosophy
  - PHI 3200 Medieval Philosophy
  - PHI 3460 Modern Western Philosophy
  - PHI 3600 Contemporary Philosophy

- Values and Society
  - PHI 3670 Ethical Theory
  - PHI 3626 Advanced Ethics in Science and Technology
  - PHI 3401 Philosophy of Law
  - PHI 3800 Aesthetics
  - PHI 3123 Feminist Theories
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3625 Virtual Ethics
  - PHI 4633 Ethics and Biological Science
  - PHI 3100 Freedom and Justice
  - PHI 3640 Environmental Ethics
  - PHI 4031 Environmental Philosophy
  - PHI 3701 Native American Philosophy
  - PHI 3805 Contemporary Aesthetics

- Being and Knowing
  - PHI 4500 Metaphysics
  - PHI 4341 Ways of Knowing
  - PHI 4300 Theories of Knowledge
  - PHI 3700 Philosophy of Religion
  - PHI 4400 Philosophy of Science
  - PHI 3320 Philosophy of Mind
  - PHI 3451 Philosophy of Psychology
  - PHI 4420 Philosophy of Social Science
  - PHI 3323 Minds and Machines
  - PHI 4782 Phenomenology
  - PHI 4221 Philosophy of Language

- Topics in Philosophy
  - PHI 4931 Philosophy in the News
  - PHI 3833 Philosophy of Friendship
  - PHI 4321 Philosophies of Embodiment
  - PHI 3648 Ethical Issues of the Human Genome Project
  - PHI 3022 Sexuality, Gender and Philosophy
  - PHI 3033 Philosophy, Religion and the Environment
  - PHI 4804 Critical Theory
  - PHP 3783 Modernity as a Philosophical Problem
  - PHI 3750 Problem of Evil
  - PHI 3720 Faith and Reason
  - PHI 3803 Philosophy and Creativity

Upper Division Restricted Electives (6 hrs)

- PHI 3941 Philosophy Practicum
- REL 3111 Religion and Philosophy through Film
- PHP 3785 Existentialism

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 minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

Popular Culture: Minor

College of Arts and Humanities
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
Advisor (UCFOrlando Campus) Bruce Janz, 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 Liberal 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 hours

Note: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by departmental advisor.

Theoretical Foundations (6 hrs)
- PHI 3684 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
- PHI 3100 Freedom and Justice
- PHI 3720 Faith and Reason
- PHP 3786 Existentialism
- PHI 4804 Critical Theory
- PHI 4300 Theories of Knowledge

Religion (3 hrs)
Select at least one course:
- CLA 3851 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 4554 Religious Quest and Human Dilemma
- PHI 3750 The Problem of Evil

Popular Culture Studies (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 3626 Virtual Ethics
- PHI 4931 Philosophy in the News
- POS 3235 Mass Media and Politics
- POS 3268 Politics in Film
- REL 3115 Religion, Spirituality and Popular Music
Minors

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 3638  Ethical Issues in the 21st Century
PHI 3983  Philosophy of Friendship
PHM 3123  Feminist Theories
PHI 4321  Philosophies of Embodiment: Mind/Body/Self
REL 3131  Religion in America
REL 3162  Healing Culture, Art, and Praxis

Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

PHYSICS: Minor
College of Sciences
Department of Physics, MAP 310
http://www.physics.ucf.edu
physics@ucf.edu
Ralph Llewellyn, 407-823-2325

Credit Hour Requirements 20 hrs
Required Courses (12 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 Physics lecture or laboratory courses appropriate for 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.

POLITICAL SCIENCE: Minor
College of Sciences
Department of Political Science, CNH 415
http://www.cas.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Roger Handberg, 407-823-2608

Credit Hour Requirements 18 hrs
Required Course (3 hrs)
POS 2041  American National Government

Restricted Upper Division Electives (15 hrs)
- Five upper division Political Science courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941 (Internship) may be used.

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.

POLITICAL SCIENCE/PRELAW: Minor
College of Sciences
Department of Political Science, CNH 415
http://www.cas.ucf.edu/politicalscience
politics@ucf.edu
Roger Handberg, 407-823-2608
Contact: Roger Handberg, 407-823-2608

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)
POS 2041  American National Government 3 hrs
POS 4284  Judicial Process and Politics 3 hrs

Restricted Elective (3 hrs)
INR 4401  International Law I
INR 4402  International Law II
POS 4603  American Constitutional Law
POS 4604  American Constitutional Law II

Restricted Upper Division Electives (9 hrs)
- Three Upper Division Political Science Courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941 (Internship) may be counted.

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
Psychology Department, PH 302
http://www.psych.ucf.edu/
E-mail: psychology@ucf.edu
Contact: Psychology Advising Center, PH 305G, 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 22 hrs
Required Courses (10 hrs)
PSY 2012  General Psychology 3 hrs
STA 2014C Principles of Statistics 3 hrs
STA 2014C Principles of Statistics or
STA 2023  Statistical Methods I 3 hrs
PSY 3213C Research Methods in Psychology 4 hrs

Restricted Electives (12 hrs) of Psychology courses

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, or Independent Study credit cannot be used toward the minor.

PUBLIC ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Mr. Robert Morin, 407-823-2604
E-mail: morin@email.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (18 hrs)
PAD 3003  Public Admin in American Society 3 hrs
PAD 4034  The Administration of Public Policy 3 hrs
PAD 4104  Administrative Theory 3 hrs
PAD 4204  Fiscal Management 3 hrs
PAD 4414  Public Personnel Administration 3 hrs
PAD 4720  Survey Research in Public Admin 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.
REAL ESTATE: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements 18 hrs
Prerequisite Courses
ACG 2021 Principles of Financial Accounting
ACG 2071 Principles of Managerial Accounting
ECO 2013 Principles of Macroeconomics
ECO 2023 Principles of Microeconomics

Required Courses (12 hrs)
FIN 2104 Personal Finance and Investments 3 hrs
FIN 3403 Business Finance 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Electives (6 hrs)
REE 4103 Real Estate Appraisal and Valuation 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
REE 4xxx Commercial Real Estate Finance 3 hrs

Other Requirements
A student minoring in real estate must earn a grade of “C” (2.0) or higher in each course applied toward the requirements for the minor. Students must have an overall GPA of 2.0 or higher in all courses attempted in 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 or independent study 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.

SECURE COMPUTING AND NETWORKS (SCAN): Interdisciplinary Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
Kim Small, 407-823-2455; ksmall@mail.ucf.edu
http://www.cecs.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:
CDA 4506 Network Labs 3 hrs
CDA 4527 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 4663 Computer and Network Security, or 3 hrs
CIS 4363 Network Security and Privacy
CET 4892 Network Defense Strategies 3 hrs
Security Management and Administration:
CET 4XXX 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 SCIENCES - INTERDISCIPLINARY: Minor
Office of Undergraduate Studies
Office of Liberal & Interdisciplinary Studies
http://liberalstudies.info
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144

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

Restricted Electives (18 hrs)
Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.
Communication
Economics
Political Science
Public Administration
Psychology
Sociology & Anthropology

Other Requirements
Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
At least 15 hours used in the minor must be earned at UCF.
At least 18 hours must be upper division classes.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.
SPANSISH: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/furlang/
moderlanguage@ucf.edu
P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs

Required Courses (3 hrs)
2000-4000 level Sociology courses

Restricted Electives (3 hrs)
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).

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 minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

SPORT BUSINESS MANAGEMENT: Minor
(*Business Majors, Business Undecided, and Business Pending only)

College of Business Administration
DeVos Sports Business Management, BA2 205
F. Polite, 407-823-1158
e-mail: fpolite@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 9 Hrs
SPB 3003 Introduction to Sport Business Management 3 Hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 Hrs
SPB 3503 Ethics in Sport Business 3 Hrs

Restricted Electives 9 Hours
SPB 4404 Event and Facility Management 3 Hrs
SPB 4804 Sport Business Strategy 3 Hrs
MAR 4714 Sports Marketing 3 Hrs
MAR 4023 Marketing 3 hrs

Other Requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below “B” (3.0) or “S” grades from other institutions are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sport Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit hours cannot count toward the minor.

*Students can take any minor courses if they are a Business major. If they are Business Majors, Business Undecided, and Business Pending only.

STATISTICS: Minor

College of Arts and Sciences
Statistics and Actuarial Science Department, CC II 212
http://www.cas.ucf.edu/statistics
statistics@ucf.edu
Nizam Uddin, 407-823-5525

Credit Hour Requirements 18 hrs

Required Courses (9 hrs)
Select one course 3 hrs
STA 2023 Statistical Methods I or
STA 3032 Probability and Statistics for Engineers
STA 4163 Statistical Methods II 3 hrs
STA 4164 Statistical Methods III 3 hrs

Restricted Upper Division Electives (9 hrs)
Select from upper division STA prefix courses taught within the Statistics and Actuarial Science Department.

*Students can take any minor courses if they are a Business major. If they are Business Majors, Business Undecided, and Business Pending only.

Other Requirements:
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
At least 15 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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.

Prerequisites for any course must be met prior to enrollment.

Some courses may have prerequisites not required for the student's major/minor.

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**TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor**

**College of Education**

**Department of Teaching and Learning Principles, ED 209**

http://reach.ucf.edu/~technicaled/

Dr. Jo Ann M. Whiteman, ED 122-T, 386-506-4041

Email: 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.

**Credit Hour Requirements** 18 hrs

**Entrance requirements**

**Junior standing**

**Required courses** 18 hrs

- **ADE 4382** Teaching Adult Learners 3 hr
- **EVT 4598** Advanced Teaching Techniques 3 hr
  in Vocational Education
- **EVT 3062** Professional role of the Vocational Teacher 3 hr
- **EVT 3367** Evaluation in Vocational Education 3 hr
- **EVT 4169** Curriculum Development for Industry Training 3 hr
- **EVT 4065** Principles and Practices in Vocational Education 3 hr

**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 toward 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.

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**TECHNOLOGY AND SOCIETY: Minor**

**College of Engineering and Computer Science**

Dr. Ronald Eaglin, ENGR 207

The College of Engineering offers a minor in Technology and Society to interested UCF students. The minor is intended for students not enrolled in the College of Engineering, although students in the College may also be awarded the minor.

**Credit Hour Requirements** 18 hrs

**Suggested Prerequisite Courses**

- **MAC 1105** College Algebra
- **GEP** Cultural and Historical Foundations

**Restricted Upper Division Electives**

A minimum of nine hours must be taken from the CET/EST/ETI prefix courses listed below:

- **CET 3010** Introduction to Information Technology
- **EST 3222** Introduction to Photonics
- **ETI 3671** Technical Economic Analysis
- **ETI 4205** Applied Logistics
- **ETI 4635** Technical Administration
  in Vocational Education
- **ETI 4700** Occupational Safety
- **ETI 4836** Space Systems Technology
- **GEO 2370** Resources Geography
- **LIT 3318** Science Fiction
- **LIT 4433** Survey of Technical and Scientific Literature
- **PUP 3203** Environmental Politics
- **PUP 4503** Government and Science
- **PUP 4510** Space Policy

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

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**THEATRE - GENERAL: Minor**

**College of Arts and Humanities**

**Theatre Department, UTC 180**

http://www.theatre.ucf.edu

theatre@ucf.edu

Kristina Tollefson, 407-823-2862

**Credit Hour Requirements**

**Entrance Requirement**

A successful interview

**Required Courses**

27 hrs

Note: The number assigned many courses will change. Use the Prefix and title to determine the proper course.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3 hrs</td>
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<tr>
<td>THE 2001L*</td>
<td>Theatre Participation - Management I</td>
<td>1 hr</td>
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<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2290L*</td>
<td>Theatre Participation - Production I</td>
<td>1 hr</td>
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<tr>
<td>TPP 2190*</td>
<td>Theatre Participation - Performance I</td>
<td>1 hr</td>
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<tr>
<td>THE 3110</td>
<td>Theatre History I</td>
<td>3 hrs</td>
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<tr>
<td>THE 3111</td>
<td>Theatre History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3305</td>
<td>Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2271</td>
<td>Performance Studies</td>
<td>3 hrs</td>
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<tr>
<td>THE 3306</td>
<td>Dramatic Literature II</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2231</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
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<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production Lab</td>
<td>1 hr</td>
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* Course must be taken at UCF

**Other Requirements**

- Participation on a minimum of one departmental production during both the Fall and Spring terms for four semesters.
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 18 hours used in the minor, including those marked by an asterisk, 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.

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**URBAN AND REGIONAL PLANNING: Minor**

**College of Health and Public Affairs**

**Department of Public Administration, HPA2 238**

Mr. Robert Morin, 407-823-1190

Email: morin@mail.ucf.edu

Fax: 407-823-5651

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

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
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<td>PAD 4712</td>
<td>Information Systems for Public Managers</td>
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<tr>
<td>PAP 4712</td>
<td>and Planners</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community and Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
<td>3 hrs</td>
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</tbody>
</table>
WOMEN’S STUDIES: Minor

College of Arts and Humanities

http://www.cas.ucf.edu/womensstudies

L. M. Logan, 407-823-6502,

Email: womenst@ucf.edu

The minor in Women’s Studies 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 of Art, Communications, Criminal Justice, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology and Anthropology, and Theatre.

Credit Hour Requirements

Required Core Courses (6 hrs)

- WST 3015 Introduction to Women’s Studies 3 hrs
- Select one course:
  - PHM 3123 Feminist Theories 3 hrs
  - LIT 4554 Advanced Feminist Theories 3 hrs
  - WST 3561 Third Wave Feminisms 3 hrs

Upper Division Electives (12 hrs)*

Student must select 2 courses from 2 of the 4 areas below:

- 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 3283 Contemporary American Women’s Fiction
  - ARH 4892 Women in Art
  - COM 4014 Gender Issues in Communication
  - FIL 3309 Women in Film
  - LIT 3393 Women in Literature
  - PHI 3022 Sexuality, Gender & Philosophy
  - WST 3460 Womanist Studies

- Women’s Wellness
  - NUR 4036 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 Lat Am
  - CCJ 4670 Women and Crime
  - CCJ 4681 Domestic Violence and Justice System
  - CPO 4710 Women and Comparative Politics
  - INR 4085 Women, Gender, and Globalization
  - PUB 4323 Women and Public Policy
  - SYD 3800 Sex Roles in Modern Society
  - SYD 4810 Women in Contemporary Society
  - SYD 4100 Family Trends
  - WST 3500 Gender Issues in Community Activism

*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 4803 Issues in Urban Administration 3 hrs
- 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.

WORLD COMPARATIVE STUDIES: Minor

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
http://liberalstudies.info

E-mail: ls@mail.ucf.edu

Liberal 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 3XXX World Comparative Studies (3 hrs)

Thematic Concentrations Restricted Electives (15 hrs)

Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with the prior approval of the program advisor. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Liberal 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 3540 Language and Culture
- ANT 3145 Archaeology of Complex Societies
- ANT 3319 The Anthropology of Diaspora
- ANT 3212 Peoples of the World
- ANT 4702 Culture, Power and Development
- FSS 3008 Culture and Cuisine
- HFT 4866C 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.

B. Economics

- ANT 4702 Culture Power and Development
- ECO 3703 International Trade
- ECO 4xxx International Macroeconomics
- ECO 4701 Seminar in Global Economic Policy
- ECS 4013 Economics of Developing Areas
- ECP 3303 Economics and the Environment
- HFT 3700 Tourism Management
- INR 4035 International Political Economy

C. Biological and Geophysical Environment

- IDS 3150 Foundations of Environmental Studies
- ECS 3303 Economics and the Environment
- SYD 4510 Environmental Sociology
- HFT 4735 Tourism Geography
- INR 4301 International Environmental Law
- ENV 3001 Intro to Environmental engineering
- GIS 3043C GIS for Environmental Studies
- GIS 4053C 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
- SOW 5109 Violence Against Women
- SYP 4845 Sociology of the Global System
E. Media and Communication

FIL 3510  World Cinema Traditions
FIL 3514  International Cinema
FIL 4564  Africana Cinema
COM 4461  Intercultural Communication
LIN 4643  Cross Cultural Communication
THE 3312  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 Liberal 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.

ADDITIONS: Certificate

College of Health and Public Affairs
School of Social Work, HPA 1 204

BSW Coordinator, 407-823-2114
socialwk@mail.ucf.edu

This certificate is open only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions. 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 includes academic work through courses in 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 open 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 addiction courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Certificates will be awarded only at the time of degree completion.

CreditHour 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 4906  Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc.)
- SOW 4900  (Can be taught by any faculty teaching one of the above courses)
- CCJ 4651  Drugs and Crime 3 hrs

Certificates will be awarded only at the time of degree completion.

AMERICAN SIGN LANGUAGE (ASL): Certificate

College of Health and Public Affairs
Department of Communicative Disorders,
HPA-2, Suite 101

In recognition of the special needs of the elderly citizens of Central Florida, the University offers a fifteen-hour interdisciplinary program leading to a Certificate in Aging Studies. The certificate is open to all students in any major. The program may be a particular interest to students who are majoring in health sciences, psychology, social work, nursing, sociology, business, exercise science, physical education, or art education. All students must contact the coordinator for planning their internship. Certificates will be awarded only at the time of degree completion.

CreditHour Requirements: 15 hrs

Required Course:

- GEY 3001  Gerontology: Interdisciplinary Overview 3 hrs

Required Internship: (Select one)

- SOW 4610  Field Education 3 hrs
- HSA 4941  Internship 3 hrs
- PSY 3961  Internship 3 hrs
- SYP 4941  Internship 3 hrs

Electives:

- 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 4296  Gerontologic Nursing 3 hrs
   - PLA 4912  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 3650  Women and Aging 3 hrs

   SYP 3930  Literature of Aging 3 hrs
   SYP 4734  Minority Aging 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 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.

Certificates will be awarded only at the time of degree completion.

CreditHour Requirements: 16 hrs

Required Courses:

- SPA 4612  Introduction to American Sign Language 4 hrs
- SPA 4613  Intermediate American Sign Language 4 hrs
- SPA 4614C  American Sign Language III 4 hrs
- SPA 4615  American Sign Language IV 4 hrs
Certificates

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 8 hours used in the program must be earned at UCF with the Department of Communicative 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, PH 302
http://www.psych.ucf.edu/
E-mail: kmottare@ucf.edu
Contact: K. Mottarella; 321-433-7892
Credit Hour Requirements 27 hrs
Prerequisite Courses (6 hrs)
PSY 2002 General Psychology or GEP 3 hrs
SYG 2000 General Sociology 3 hrs
PPE 3003 Personality Theories 3 hrs
SYP 3510 Soci of Deviant Behavior 3 hrs
Required Courses (12 hrs)
CLP 4300 Forensic Psychology 3 hrs
SOP 3751 Legal Aspects of Psych 3 hrs
SYP 3520 Criminology 3 hrs
Select one course:
SYP 3540 Sociology of Law 3 hrs
SYD 4813 Wommen and Social Policy 3 hrs
Restricted Electives (9 hrs)
Note: It is the student’s responsibility to meet all prerequisites for any course selected.
From Psychology, select one of the following:
CLP 3143 Abnormal Psychology 3 hrs
CLP 3302 Clinical Psychology 3 hrs
CLP 4134 Childhood Psychopathology 3 hrs
PCO 4203 Interviewing and Counseling 3 hrs
From Sociology, select one of the following:
SYP 3511 Sociology of Murder 3 hrs
SYP 3530 Juvenile Delinquency 3 hrs
SYP 3562 Soc Perspectives on Domestic Violence 3 hrs
SYP 4521 Criminal Victimization in Society 3 hrs
SYP 4514 Sociology of Violence 3 hrs
SYP 4536 Gangs and Society 3 hrs
From Criminal Justice, select one of the following:
CCJ 3014 Crime in America 3 hrs
CCJ 3024 Criminal Justice System 3 hrs
CCJ 4670 Women and Crime 3 hrs
CJE 4174 Serial Murder & C J 3 hrs
CCJ 4616 Criminal Profiling in CJ 3 hrs
CCJ 3667 Victims and the CJ System 3 hrs
CCJ 4681 Domestic Violence & the Justice Syst 3 hrs
CCJ 4690 Sex Offenders & the CJ System 3 hrs
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

CHILDREN’S SERVICES: Certificate
College of Health and Public Affairs
School of Social Work, HPA1 204
BSW Coordinator, 407-823-2114
This certificate is open only to students in the undergraduate social work program. The Children’s Services Certificate is designed to prepare Social Work students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.
Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 18 hrs
Required Courses
SOW 3352 Practice II: Interpersonal Skills 3 hrs
SOW 4654 Children’s Services 3 hrs
SOW 4650 Child Abuse: Treatment & Prevention 3 hrs
SOW 4510 Field Education* 9 hrs
* Placement with the Department of Children and Families working with child welfare or placement in an agency that serves children.
NOTE: Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.

CRIME ANALYSIS AND CRIME MAPPING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA1 311
Cory Watkins, 407-823-0365
E-mail: rwatkins@mail.ucf.edu
Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five classes (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.
Credit Hour Requirements 15 hrs
Required Courses (in sequence) (9 hrs)
CJE 3862 CJ Information Technology and Data Management 3 hrs
CJE 4663 Crime Analysis I 3 hrs
CCJ 4076 Crime Analysis II 3 hrs
Restricted Upper Division Electives (6 hrs)
Select two of the following:
CCJ 3451 Justice System Technology 3 hrs
CJE 3444 Crime Prevention 3 hrs
CCJ 4654 Crime and Place 3 hrs
CCJ 3450 Criminal Justice Manager 3 hrs
CCJ 4454 Policy Development in Law Enforcement 3 hrs
CCJ 4459 Justice Agency Operations 3 hrs
Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIME SCENE INVESTIGATION: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA1 311; Department of Sociology and Anthropology, PH 403
David Fabianic, 407-823-5940Dr. Mary Ann Eastep, 407-823-3598
meastep@mail.ucf.edu davidfabianic@mail.ucf.edu
John J. Schultz, 407-823-2618
jschultz@mail.ucf.edu
Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work.
Certificates will be awarded only at the time of degree completion.
Credit Hour Requirements 15 hrs
Required Courses (12 hrs)
ANT 4521C Forensic Anthropology 3 hrs
ANT 4101 Archaeological Sciences 3 hrs
CCJ 4616 Criminal Profiling in CJ 3 hrs
CJT 4100 Criminal Investigation 3 hrs
African American Heritage area (choose two classes)
Choose two classes from one of the following areas (6 hrs)

Required Courses (12 hrs)

Credit Hour Requirements 18 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- 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, HPAI 311
Dr. Mary Ann Eastep, 407 823-3598
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

Credit Hour Requirements 15 hrs

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- All courses used in the certificate must be taken at UCF.

DIGITAL MEDIA: Certificate
College of Arts and Humanities
CREAT Digital Media Program, 500 OTC
bowers@mail.ucf.edu

Program Director: Clint Bowers, 407-823-6100

This certificate program focuses on providing an opportunity for students with substantial media-related skills to learn project management skills and participate in a Senior Project. Admission to the Certificate Program is by portfolio only.

Entrance Requirement
- Admission to the Digital Arts Seminar requires evaluation of a portfolio of work which demonstrates the student’s creativity and technical accomplishment is some artistic or technical domain.
- All evaluations are conducted by the program Curriculum Committee.

Credit Hour Requirements: 12 hrs

Required Course: 3 hrs

Restricted Elective: 3 hrs

Senior Project: (6 hrs)

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the certificate.
- All courses used in the certificate must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Co-op credit can not be used toward the certificate without prior permission of the program director.

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 degree completion.

Credit Hour Requirements 12-15 hrs

Certificate in Banking 15 hrs

*Certificates

Restrictions

Cultural Tourism: Certificate
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
ls@mail.ucf.edu

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 Cultural Heritage.

Credit Hour Requirements

Required Courses

African American Heritage area (choose two classes)

ANT 3163 Meso American Archaeology
ANT 3168 Maya Archaeology
ANT 3332 Peoples and Cultures of Latin America
ANT 4340 Caribbean Archaeology
ARH 4655 Meso American Art
CPO 4303 Comparative Latin American Politics
LAA 3400 History of Mexico and Central America
LAA 3470 History of the Caribbean
LAA 3130 Latin American History I
LAA 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.
- A minimum grade of “C” (2.0) is required in each course used to satisfy the certificate.
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- A minimum grade of “C” (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit can not be used toward the certificate without prior permission of the program director.
Certificates

**JAZZ STUDIES: Certificate**

**College of Arts and Humanities**

Department of Music, CNH 205

http://www.cas.ucf.edu/music/

K. Koons, 407-823-2869

Certificates will be awarded only at the time of degree completion. This certificate is designed for undergraduate students majoring in music who desire to devote time to specific coursework in each of these areas. This is only a component of the B.A. or B.M. Music degree, provided that the student works with an advisor in the program.

**Admission Requirement**

Student must satisfactorily audition for the Department of Music.

**Credit Hour Requirements**

13 hrs

**Required Courses**

(13 hrs)

MUT 3170 Jazz Theory I 2 hrs

MUT 3171 Jazz Theory II 2 hrs

MUT 3641 Jazz Improvisation I 2 hrs

MUT 3642 Jazz Improvisation II 2 hrs

MUL 2016 Evolution of Jazz 3 hrs

MUS 4932 Independent Study in Jazz 2 hrs

**Other Requirements**

- Must complete all course and non-course requirements (recitals and proficiency examinations) of the Music major in order to qualify for the certificate within the degree.

- A minimum GPA of 2.0 is required in all music courses attempted, whether or not used to satisfy the certificate.

- At least 9 hours used in the certificate 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 certificate.

**MARKETING: Certificate**

**College of Health and Public Affairs**

Department of Communicative Disorders, HPA2, Suite 101

http://www.cohpa.ucf.edu/comdis

UG Coordinator: Jamie Schwartz, 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students and practitioners 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 through 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” (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.

**JUDAIC STUDIES: Certificate**

**College of Arts and Humanities**

Judaic Studies Program, CNH 201

http://www.cas.ucf.edu/judaic_studies

E-mail: judaicst@ucf.edu

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 Liberal 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 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 3701 History of the Holocaust

**Bible**

JST 3120 Jewish 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 3751 Literature of the Holocaust

**Culture**

JST 3450 Modern Jewish Experience

JST 3820 Modern Hebrew Culture

JST 3810 The Jewish National Movement

**Other Courses**

- Other courses, including special topics, with the approval of the Director

**Internship**

- Internship must be approved internships in the area of specialization, and should be completed in the senior year after completing at least 6 hours of finance 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 an overall GPA of at least 2.75 to qualify for an internship.

- An internship must be a paid internship with a financial services firm and must be approved by the Department of Financial Internship coordinator and a banking faculty member. Both MAR 3391 and FIN 4942 are recommended if the student’s schedule allows it.

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the five courses must be 3.0 or higher.

- Certificate in Corporate Finance 12 hrs

FIN 3414 Intermediate Corporate Finance 3 hrs

FIN 3470 Financial Statement Analysis or *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

**Other Requirements**

- Restrictions on finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in specialized areas of interest.

- Internships must be approved internships in the area of specialization, and should be completed in the senior year after completing at least 6 hours of finance courses.

- At least 12 hours used in the minor must be earned at UCF.

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Other Courses**

- Other courses, including special topics, with the approval of the Director

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.

- At least 10 hours used in the program must be earned at UCF.

- Students must earn an overall GPA of 2.0 in courses used to satisfy the minor.

- 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 10 hours used in the program must be earned at UCF with the Department of Communicative Disorders.

- No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

**MARKETING: Certificates**
College of Business Administration
Department of Marketing, BA 2075
9 hrs
*Restricted to Marketing majors
Certificates will be awarded only at the time of degree completion.

Certificate in Selling and Sales Management
MAR 3403 Sales Force Management
**MAR 4941 (internship in sales-related position)
One additional Marketing elective

Certificate in Retailing Management
MAR 4231 Retailing Management
**MAR 4941 (internship in retail-related position)
One additional Marketing elective

Certificate in e-Marketing
MAR 3880 e-Marketing
**MAR 4941 (internship in *e*-related position)
One additional Marketing elective

Certificate in Sport Marketing Management
MAR 4711 Sport Marketing
**MAR 4941 (internship in sport-related position)
One additional Marketing elective

Certificate in Healthcare Marketing
MAR 4712 Healthcare Marketing
**MAR 4941 (internship in healthcare-related position)
One additional Marketing elective

Certificate in Services Marketing
MAR 4841 Services Marketing
**MAR 4941 (internship in services-related position)
One additional Marketing elective

Certificate in Entertainment Marketing
MAR 4715 Entertainment Marketing
**MAR 4941 (internship in entertainment-related position)
One additional Marketing elective
* These nine hours count as the nine elective marketing hours required in the major.
** Certificate attainment subject to the availability of internship opportunities in the area of interest.

NONPROFIT MANAGEMENT: Certificate
College of Health & Public Affairs
Department of Public Administration, HPA 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Mary Ann Feldtheim, 407-823-2804
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 Dev. in the Nonprofit Sector 3 hrs
PAD 4325 Program Eval. Public & Nonprofit Org 3 hrs
PAD 4153 Strategic Planning & Implementation 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.
■ Students must earn a 2.0 (“C”) for credit to be accepted.
■ 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
Department of Finance, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements
15 hrs
Certificates will be awarded only at the time of degree completion.

Certificate in Real Estate Brokerage
Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate in Real Estate Appraisal
Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

Certificate in Mortgage Brokerage
Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

SECURITY MANAGEMENT: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA 311
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)
CJT 3804 Security Administration 3 hrs
CJT 3803 Security Management 3 hrs
CJT 4843 Risk Management 3 hrs
CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
CC 4661 Conflict and Terrorism 3 hrs
CJE 3444 Crime Prevention 3 hrs
CJT 3842 Special Security Problems 3 hrs
PLA 1017 Seminar In Contemporary Legal Problems 3 hrs
PLA 0273 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, PH 208
http://www.service.learning.ucf.edu
S. Dressler, 407-823-5000
email: EL@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 com-
Certificates

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. This certificate is open to all undergraduate and graduate students in any major.

Credit Hour Requirements 12 hrs
Students may choose any 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.

Course Requirements: 4 UCF-approved SL courses
Students may choose any four (4) 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.

TRANSLATION AND INTERPRETATION: Certificate

College of Arts and Humanities
Modern Languages and Literatures, CNH 505
http://www.cas.ucf.edu/forlang
foreignlanguage@ucf.edu
Maria Redmon, CNH 512, 407-823-5738
Email: 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 3809 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.

WOMEN’S STUDIES: Certificate

College of Arts and Humanities
Women’s Studies Program, CNH 201H
http://www.cas.ucf.edu/womensstudies
L. M. Logan, 407-823-6502,
email: womensst@ucf.edu

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.
The Office of International Studies (OIS) serves as a bridge that connects UCF students and faculty to diverse world communities. As a University level office, the OIS focuses on creating a trans-national understanding of the social, economic, cultural, environmental, and political realities of the 21st Century. The OIS, the Office of the Special Assistant to the President for Global Perspectives, the International Services Center and the Center for Multilingual, Multicultural Studies work together to provide a concerted effort to implement the university’s broader strategic plan for internationalization.

The OIS 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: faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Central to the global mission at UCF is an ongoing program of international grants and development projects. The OIS secures, through external funding agencies, the resources necessary for faculty and curriculum development, joint research projects, and partnership programs. Recent grants include U.S. Department of Education Fulbright-Hays Group Projects Abroad grants to Mexico, the Caribbean, Peru, India, and Bolivia.

Several enrichment opportunities for faculty have OIS involvement, including the International Track of the UCF Faculty Development Summer Conference, other faculty workshops, and research opportunities.

The OIS assists in developing and processing agreements with institutions outside the United States. These agreements vary from protocally statements of cooperation to specific agreements covering participation in theses and dissertation committees, student and faculty exchanges, and study abroad programs. The OIS provides templates, facilitates processing, and maintains agreement files.

Through the OIS, UCF develops, promotes and supports programs of study throughout Africa, Asia, Europe, Latin America and the Caribbean (see below).

### International Studies and Programs

**Interim Assistant Vice President of International and Interdisciplinary Studies:** Dr. Diane Z. Chase
**Associate Director:** Angel Cardec

The OIS assists in developing and processing agreements with institutions outside the United States. These agreements vary from protocally statements of cooperation to specific agreements covering participation in theses and dissertation committees, student and faculty exchanges, and study abroad programs. The OIS provides templates, facilitates processing, and maintains agreement files.

Through the OIS, UCF develops, promotes and supports programs of study throughout Africa, Asia, Europe, Latin America and the Caribbean (see below).

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### Study Abroad Programs

**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 also 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 Office of International Studies (OIS), and are designed to provide an exceptional learning experience, while matching the needs and situations 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 short term programs that UCF has offered in the past include the Department of Foreign Languages’ intensive programs in France, Japan, Germany, Spain and Italy; Social Work Department programs in South Africa and Russia; Criminal Justice in Barbados and Russia; Nursing in Sweden, Education in the Netherlands, Hospitality in France, and Art in Scotland.

Student Exchanges provide the opportunity to become a student at a university abroad for one semester 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. Some of the exchanges that have been offered at UCF are Qingdao University in China; Universite de Angers and Paul Sabatier in France; Meikai University in Japan; University of Lima in Peru; the universities of Lund, Jonkoping, Maldarden, and Dalarna in Sweden; and University College Northampton in the United Kingdom.

UCF students may also take advantage of the options provided by other member universities in the State University System (SUS) of Florida. There are numerous programs available through the system. UCF students apply to these programs directly and must become transient students at the host institution.

There are many additional study abroad options available to UCF students. It is important that students 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 [www.international.ucf.edu](http://www.international.ucf.edu), or contact the office at 407-882-2300.
# ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

**ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.S.)**

**College of Business Administration**  
**Department of Economics**  
**Email**: robertp@mail.ucf.edu, BA2 303B  
407-823-2640

**Completion of the UCF General Education program or an AA degree from a Florida Public Community College**  
- See Common Program Prerequisites  
- 3.25 GPA after completion of 80 credit hours  
- 1260 SAT or 28 ACT desired. If students do not meet this criterion, they must submit a GRE or GMAT score  
- Apply to the program in the fifth semester of classes. Admission is not automatic. Interested students will need to submit an essay and must be interviewed.

## Degree Requirements

### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Requirement</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>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013* Principles of Microeconomics</td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>ECO 2023* Principles of Macroeconomics</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Restricted Elective

Select any 3000-4000 level economics elective 3 hrs  
- * See transfer notes for possible substitutions

### 5. Courses shared BA/MS

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 6403 Mathematical Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 6116 Microeconomic Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 6206 Macroeconomics Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 6424 Econometrics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 6XXX Economics Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Required Minor

- Completion of a minor in one of the following:  
  - Computer Science, History, Mathematics, Statistics, Political Science, Psychology, or Sociology.

### 7. Program Exit Requirements

- A minimum grade of 3.0 is required for all graduate courses.  
- A minimum GPA of 2.5 is required for all courses taken in the major and minor.  
- Computer Competence is met by Research Methods course.

### 8. Foreign Language

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission:</td>
<td>Met by graduate requirement.</td>
</tr>
</tbody>
</table>

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

### 9. Electives

- **(variable)**

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**10. University Minimum Exit Requirements - B.A.**

- 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded.  
- 48 semester hours of upper division credit completed.  
- 30 of the last 36 hours of course work must be completed in residence at UCF.  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.  
- Completed the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

**Total Semester Hours Required (B.A.)** 120 hrs

**11. Courses taken toward MS**

- Six to nine additional hours of 6000 level economics electives.  
- A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as accounting, finance, management, marketing, mathematics, statistics, public administration, health sciences, political science, computer science, and environmental engineering.

**Total Semester Hours (BA/MS)** 135 hrs

The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

The following will be waived for this joint degree program:

- The limit of nine hours to be shared between undergraduate and graduate programs  
- Undergraduate students taking 6000 level courses must be within in nine hours of graduation  
- Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

**Transfer Notes:**

- Grades below “C” (2.0) are not accepted.  
- Courses taken at community college do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be equivalency credit. The student must provide all supporting information.

**Acceptable substitutes** for Common Program Prerequisites if taken prior to transferring to UCF:

- ECO 2013 and ECO 2023 are prerequisites for subsequent economics courses and will need to be taken.

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**ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.B.A./M.S.)**

**College of Business Administration**  
**BA2 101, 407-823-2184**  
**http://www.bus.ucf.edu/economics**  
**Email**: robertp@mail.ucf.edu, BA2 303B  
407-823-2640

**Admission Guidelines**

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College  
- See Common Program Prerequisites  
- 3.25 GPA after completion of 80 credit hours  
- 1260 SAT or 28 ACT desired. If students do not meet this criterion, they must submit a GRE or GMAT score  
- Completed the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

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290 UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
HISTORY ACCELERATED

Accelerated Undergraduate-Graduate Programs

UNDERGRADUATE-GRADUATE PROGRAM (B.A. and M.A.)

College of Arts and Humanities
CNH 551, 407-823-2224
http://pegasus.cc.ucf.edu/~history

Graduate program E-mail: hisgrad@ucf.edu
Undergraduate program E-mail: history@ucf.edu
Chair: Edmund F. Kallina
Graduate Program Coordinator: 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 at 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 QBO (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 coordinator
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
- Students must compile a portfolio of their written work in history completed inside and outside the classroom
- The B.A. will be awarded after completion of 36 hours of history classes
- The M.A. will be awarded upon completion of the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements)

Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed
- Students may substitute these nine hours of graduate-level work for 9 hours of 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
Accelerated Undergraduate-Graduate Programs

- 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

**Undergraduate Requirements**

1. **UCF General Education Program** *(36 hrs)*
   (See the History major in this catalog for track specific GEP requirements)

2. **Common Program Prerequisites** *(0 hrs)*
   - AMH 2010* U.S. History: 1492-1877
   - AMH 2020* U.S. History: 1877-Present
   *See Transfer Notes for possible substitutes

3. **Core Requirements** *(9 hrs)*
   - HIS 4150 History & Historians 3 hrs
   - Select one sequence
     - EUH 2000, 2001 Western Civilization I & II
     - WOH 2012, 2022 World Civilization I & II 6 hrs

4. **Upper Division Restricted Electives** *(21 hrs)*
   Select six hours of approved history courses within the three of the four geographic regions:
   - 1. Asian, African, and Middle Eastern
   - 2. British and European
   - 3. Latin American
   - 4. U.S. and Canadian
   Students must substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

5. **Departmental Exit Requirements**
   - Maintain a minimum GPA of 3.5 in upper division required courses attempted
   - Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student's written work including, but not limited to, book critiques, in-class essay exams, and term papers
   - Students must complete at least 18 of the required 36 history hours at UCF
   - Computer competency met by completion of the major

6. **Foreign Language Requirements** *(0-8 hrs)*
   **Admission:** Met by graduation requirement
   **Graduation:** Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department's M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

7. **Electives** *(variable)*
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. **University Minimum Exit Requirements - BA**
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

**Overall History MA Requirements** *(36 hrs)*
   * Nine hours of graduate work are earned in the senior year, in consultation with the history graduate coordinator.

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.
   (Eastern Hemisphere: African, Asian, European, or Middle Eastern; or Western Hemisphere: Caribbean, North American, or South American)

3. **Outside Area of Concentration in History** *(6 hrs)*

4. **Foreign Language Requirement**
   Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. **Examination Requirements**
   Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student's thesis committee judge acceptable as the preliminary step to beginning the thesis.

**Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)**

**Related Programs:** Humanities
**Related Minors:** African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women's Studies

**Transfer Notes:**
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American History courses and will need to be taken for the major.
Undergraduate Degree Requirements

Students must earn at least a “C” (2.0) in each restricted elective course.

Students must consult with a Liberal Studies advisor in order to prepare an application.

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 a Liberal 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.

Graduate Degree Requirements

The accelerated Program involves a minimum of 144 credits for completion of both the B.A./B.S. and M.A./M.S. degrees.

The graduate requirements listed in the Graduate Catalog take precedence over those listed below.

Students take nine graduate credit hours during their senior year which substitute for 3000- or 4000-level courses as part of the program requirements.

Students pay graduate tuition and fees for the nine graduate credit hours.

All requirements of the undergraduate and graduate degree programs must be fulfilled.

Students should consult with the Liberal Studies advisor before applying for the program.

Approval for course substitutions and for graduate courses must be given by the Liberal Studies advisors.

The B.A./B.S. will be awarded after completing all the requirements for that degree in the undergraduate program.

1. UCF General Education Program (36 hrs)

(See Liberal Studies sections of the catalog for track-specific GEP requirements)

2. Common Program Prerequisites: none

3. Track Requirements

Students complete the requirements of the program based on the track option in Liberal Arts, Liberal Studies, Computer Information Technology, Environmental Studies, or Women’s Studies. See the description in the Liberal Studies sections for full information about each track.

Liberal Studies track (61 hrs)

Minor 18 hrs

Two liberal studies areas which include at least 18 upper division hours

Area 1 18 hrs

Area 2 18 hrs

Computer Information Technology (CIT) track

Students must complete the Computer Science minor and the Information Technology minor (Option 3)

36 hrs

One liberal studies area 18 hrs

Liberal Arts track (42 hrs)

An approved course in critical thinking, ethics or methodologies 3 hrs

Minor, or individualized minor 18 hrs

Second minor from College of Arts & Humanities or College of Science 18 hrs

Nine hours in each of two concentrations

One of the following

IDS 4912 Directed Independent Research 3 hrs

or

IDS 4955 Study Abroad or

IDS 4970H Thesis 3 hrs

Environmental Studies Track

Core for Environmental Studies 11 hrs

Subject area: Environmental Studies Fundamentals 19 hrs

Specialized Subject area 18 hrs

Women’s Studies Track

Women’s Studies minor 18 hrs

One Women’s Studies Subject area 18 hrs

One Liberal Studies Subject area 18 hrs

4. Program Exit Requirements

Liberal Studies, Environmental Studies, and Women’s Studies tracks

A grade of “C” or above (2.0) is required for each course taken in each of the subject areas.

Computer competency met by CGS 1060C, STA 1060C, or other computer-related course, or departmental assessment in the minor and CIT track

A grade of “C” or above (2.0) is required for each course taken in the minor and in the subject area.

Computer competency met by minor.

Liberal Arts track

Maintain a minimum GPA of 3.5 in all Liberal Arts Track courses

5. Foreign Language Requirements (0-8 hrs)

Admission-BA: Met by graduation requirement.

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation-BA: Proficiency equivalent to one year of college instruction in 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.

Graduation-BS: Proficiency equivalent to one semester of college
Accelerated Undergraduate-Graduate Programs

instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, 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 requirement must do so in order to graduate

6. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval.

7. University Minimum Exit Requirements - B.A./B.S.
- 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.A./B.S. 120 hours
(including nine graduate credits when completing the 3+2 program).

Overall Liberal Studies M.A./M.S. Requirements (33 hrs)*
* Nine hours of graduate work are earned in the senior year, in consultation with the M.A./M.S. in Liberal Studies program director.
(Please see the Graduate Catalog for specific requirements)

Core courses (9 hrs)
- IDS 6308 Ways of Knowing 3 hrs
- IDS 6669 Interdisciplinary Approaches to Research 3 hrs
- IDS 6351 Critical Thinking and Writing 3 hrs

Concentration (18 hrs)
More than 40 concentrations and certificate affiliation programs are part of the M.A./M.S. in Liberal Studies degree. See the graduate catalog for additional information.

Options (6 hrs)
- Thesis Option
  - Directed Readings 3 hrs
  - Thesis 3 hrs
- Non-thesis Option
  - Two approved graduate courses 6 hrs
  - Comprehensive exam

Total Hours Required - B.A./B.S. + M.A./M.S. 144 hours

Transfer Notes:
- Grades below "C" (2.0) are not accepted.
- 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 Liberal Studies Advising Team. The student must provide all supporting information.

MOLECULAR BIOLOGY AND MICROBIOLOGY-
UCF/USF Accelerated Medical School Program (B.S.)
Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Dean: P.E. Kolattukudy

Students desiring admission to USF 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 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
- Students who decelerate will not have grades below C- (1.75) in life science courses accepted

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)

A. Communication Foundations 9 hrs
- Select ENC 1101H Honors Fr Composition I
- Select ENC 1102H Honors Fr Composition II
- Prefer SPC1016 H Honors Fund. Tech Presentations

B. Cultural Historical Foundations 9 hrs
- Select MUS 3054C Cultural History of Music 3 hrs
- Select CHM 1045C Chemistry of the Senses 3 hrs
- Select HUM 2517A Introduction to Japanese 3 hrs
- Select HUM 2515A Languages of China 3 hrs

C. Mathematical Foundations
- Select MAC 2311 4 hrs
- Select STA 2023 3 hrs
- Select STA 2024 3 hrs

D. Social Foundations 6 hrs
- Select BHS 2054H Honors American Studies 3 hrs
- Select HUM 2510A History of Islam 3 hrs

E. Science Foundations
- Select BSC 2010C Biology I 4 hrs
- Select BSC 2010H Biology I Honors 4 hrs
- Select CHM 2045C Chemistry I 4 hrs
- Select CHM 2045H Chemistry I Honors 4 hrs

2. Common Program Prerequisites (16 hrs)

BSC 2010C Biology I GEP
BSC 2010H Biology I Honors 4 hrs
CHM 2045C Chemistry I, II, + Lab 2211L 8 hrs
CHM 2210, 2211, Organic Chemistry I, II, + Lab 2211L 8 hrs
MAC 2311 Calculus with Analytical Geometry I GEP

3. Core Requirements* (36 hrs)

A. 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 3238L Immunology Lab 1 hr
- PCB 3522, 4524 Molecular Biology I, II 6 hrs
- RSC 3403C Quantitative Biological Methods 4 hrs
- SLS 2311C Selected Medical Careers 2 hrs

B. Chemistry
- BCH 4053 Biochemistry I 3 hrs

C. Math Calculus and Statistics
- MAC 2311 Calculus with Analytical Geometry I GEP
- STA 2023 Statistical Methods I GEP

D. Physics**
- PHY 2053C, 2054C College Physics I, II 8 hrs
- or PHY 2048, PHY 2049C

4. Upper Division Restricted Electives (8 hrs)**
Five restricted electives satisfied by first year medical school courses.
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

5. Additional USF/UCF Requirements (7 hrs)

IDH 1921H Honors Symposium 1 hr
ENC3241/ENC3241H Writing for the Technical Professional 3 hrs
PHI 4633H Honors Ethics and Biological Science 3 hrs
PAP 3753H Honors Ethical Issues in Health & Public Affairs 3 hrs

*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 P20Microbiology B.S. (minimum) 11 hrs

5. 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...
Accelerated Undergraduate-Graduate Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements that cannot be answered by college advisors.
- 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).
- Graduates are eligible to apply to take the licensing examination for registered nurses (NCLEX). The program is accredited by the National League for Nursing and the Commission of Collegiate Nursing Education and approved by the Florida State Board of Nursing.
- Nursing Accelerated Second Degree Program begins in Summer Semester.

1. UCF General Education Program
   NA

2. Common Program Prerequisites
   (31 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 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 1020L</td>
<td>General Chemistry and lab*</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>SOW 3104</td>
<td>Assessing Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

3. Core Requirements
   (53 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3026L</td>
<td>Thera Interv. For Health Prof.</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accel Nursing Research Sem</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Promoting Physical &amp; Mental Health</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3235L</td>
<td>Clin Pract in Prom Phys/Mental Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3637</td>
<td>Accel Hlth Fam and Comm</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3637L</td>
<td>Accel Hlth Fam and Comm</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>Role of the Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3128</td>
<td>Pathophysiology &amp; Pharmacology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

** May take Anatomy and Physiology sequence of six-eight total credits.

* The first semester of a two semester general chemistry course does not meet requirement.
Accelerated Undergraduate-Graduate Programs

NUR 4525 Nursing Intervention in Mental Illness 2 hrs
NUR 4525L Clinical Practice w/ Mentally Ill Client 1 hr
NUR 4639L Clinical Pract in Comm.-Orient Nrsng 2 hrs
NUR 4745L Nursing Care of Clients w/ Acute Ill 4 hrs
NUR 4745L Clinical Practice in acute Illness 4 hrs
NUR 4829 Accel Trans Leader 3 hrs
NUR 4945L Directed Nursing Practice 4 hrs
NUR 4XXX Nursing Elective 3 hrs **

* Students without a research course on transcript must take NUR 3165
** Students may petition to waive elective requirement. Some Directed Nursing Practice (NUR 4945L) placements require an elective as a concurrent course.

4. Upper Division Restricted Electives (3 hrs)
Nursing Elective:
May not be required. However, some NUR 4945L placements do require an elective be taken concurrently.

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
- School 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 53 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 for

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* 4
Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) 6-8
General Microbiology (MCB 2020C) or any Microbiology course w/lab 4
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.

Note: A grade of “C” (2.0) or better is required in all prerequisite courses.

Honors
University Honors and Honors in the Major Available

Tentative Course Schedule

First Semester
Summer 13 hrs
NUR 3625 2
Fall 14 hrs
NUR 3128 5

NUR 3065 2
NUR 3026L 1
NUR 3637 5
NUR 3637L 2

Spring 15 hrs
NUR 4745 4
NUR 4745L 1
NUR 4525 2
NUR 4525L 1
NUR 3167 or 1
NUR 3165 3

Other
* Students without a research course on transcript must take NUR 3165
** Students may petition to waive elective requirements. Some Directed Nursing Practice (NUR 4945L) placements require an elective as a concurrent course.

NURSING (B.S.N.)

D. RN TO MSN OPTION

College of Health and Public Affairs
HPA 220, 407-823-2744
http://wwwcohpa.ucf.edu/nursing/

Program Coordinator: Linda Hennig

Accelerated program for students who are licensed as an RN and meet general education requirements, prerequisites, and required GPA.

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.) Up to 15 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-MSN program. Separate application to this limited access program must be made. Contact the School of Nursing or visit our website 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 an 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-BSN nursing program
- Minimum cumulative GPA of 3.0.

A minimum combined GRE score of 900 on the verbal/quantitative exams.
- Admitted to UCF undergraduate program
- Three professional references
- Resume
- Letter of Intent

Interim Requirements:
Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase: (To be met during the semester the BSN is awarded)
- Application to Graduate Studies
- Completion of all UCF School 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 A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- 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

The BSN is awarded after completion of 60 hours including specified program requirements.
The MSN is awarded after program completion.
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

BSN Curriculum Changes for the RN to MSN Option:

- An individualized plan of study is developed for each student admitted to the RN to MSN option.
- Students take NUR 4836, Professional Development Seminar, to meet the requirements of NUR 4084, Transitional Concepts of Nursing II and NUR 3165, Critical Inquiry.
- Students take NGR 5800, Nursing Theory.
- Students pursuing the MSN in the Nursing Leadership and Management Track may take the following courses:
  - NUR 4838L, Directed Practice in Nursing Administration for NUR 4812, Directed Nursing Practice
  - NGR 5720, Organizational Dynamics for NUR 4827, Leadership and Management Principles
  - NGR 5871, Health Care Informatics
  - NGR/HSA XXXX, Graduate elective in area of concentration (e.g., nursing, health services administration for nursing elective)
- Students pursuing the MSN in the Nurse Practitioner or Clinical Nurse Specialist tracks may take the following courses:
  - NGR 5003 and NGR 5004L, Advanced Health Assessment, Health Promotion and Diagnostic Reasoning (for NUR 4812C)
  - NGR 5141, Pathophysiology
  - NGR XXXX, Graduate elective in area of concentration

1. UCF General Education Program (36 hrs)

   A. Communication Foundations
      1. ENC 1101 & ENC R102
      2. Select SPC 1600C* 9 hrs

   B. Cultural Historical Foundations
      1. Select MAC 1105
         2. Select STA 2014

   C. Mathematical Foundations
      1. Select SYG 2000 or PSY 2012
      2. Select one: ECO 2013, or ECO 2023, or POS 2041

   D. Social Foundations
      6 hrs
      Select BSC 2010C
      Select CHM 1032

   E. Science Foundations*
      6 hrs
      Select BSC 2010C
      Select CHM 1032

2. Common Program Prerequisites (21 hrs)

   PSY 2012 General Psychology** GEP
   SYG 2000 Sociology** 3 hrs
   MCB 2004C Health Microbiology 4 hrs
   CHM 1032L General Chemistry and lab** GEP
   ZOO 3733C Human Anatomy* 4 hrs
   PCB 3703C Human Physiology 4 hrs
   STA 2014C or 2023 Principles of Statistics** GEP
   SOW 2104 or Asssociating Human Development or 3 hrs
   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.
   Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements
   Courses vary by specific program tracks. Consult program advisor.

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
   - UCF GPA of 2.5 or above
   - School of Nursing GPA of 2.5 or above

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
   Graduation: none

8. University Minimum Exit Requirements
   (For students exiting after 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 hours

Related Programs: Health Services Administration, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

4945L placements require an elective as a concurrent course.
The University offers nine specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following nine programs: Applied Science, Criminal Justice, Electrical Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Liberal Studies, Nursing, and Radiologic Technology. Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice or Computer Engineering Technology) from a Florida public community college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The new 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.” designating their desire to participate in the articulation agreement.
5. UCF will allow students to complete the UCF required General Education courses at their community college while they are enrolled and working on their degree at UCF. However, students cannot be transient in their last 30 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 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/
Program Advisor: Judy Boyle; 407-317-7816

The Bachelor of Applied Science provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. The program is only available on UCF’s Cocoa, Daytona Beach, MetroWest and Sanford/Lake Mary campuses. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. If students wish to take an upper division course at the 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 407-823-1509.

**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

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

Students will take General Education courses as needed to complete the university’s 36 credit hour General Education requirement:

- 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. Required Core**

- BUL 3130 Legal & Ethical Environment for Business 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing 3 hrs

**4. Area of Concentration** (Choose one)

A. Supervision and Administration Track: (18 hrs)

- INP 3004 Industrial/Organizational Psychology 3 hrs
- ISM 3011 Management Information Systems 3 hrs
- MAR 3023 Marketing 3 hrs
- GEB 3814 Essentials of Human Resource Management 2 hrs
- GEB 3815 Employee Training for Non-business Majors 3 hrs
- ACG 3082 Accounting for Non-business majors 3 hrs

B. Industrial Operations Track: (21 hrs)

- ETI 3116 Applied Quality Assurance 3 hrs
- ETI 3671 Technical Economics 3 hrs
- ETI 4186 Applied Reliability 3 hrs
- ETI 4635 Technical Administration 3 hrs
- ETI 4640 Operations Management for Technologists 3 hrs
- ETI 4448 Applied Project Management 3 hrs
- CET 3010 Introduction to Information Technology 3 hrs

NOTES: At the time the catalog went to press, tracks in Legal Studies, Criminal Justice and Hospitality Management were under review. Consult the program office for additional details.

**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: None
3. Core Requirements (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CJE 3510 Prosecution and Adjudication 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs

4. Upper Division Restricted Electives (30 hrs)
- 27 additional semester hours of upper division CCJ course work.
- 3 additional semester hours of supporting courses to be selected with and approved by the student's advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

5. Upper Division Unrestricted Electives none

6. Departmental Exit Requirements (130 hrs)
Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 130 hours

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)
A.S. to B.S.E.E.T. CONCENTRATION
(Completion program 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
Coordinator: Alireza Rahrooh
407-823-4749, Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
Web Address: http://www.ent.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
Articulated A.S. To B.S. Programs

upper level courses.

1. UCF General Education Program (14 hrs)
   A. Communication Foundations
      3 hrs
   B. Cultural and Historical Foundations
      3 hrs
   C. Mathematical Foundations
      4 hrs
      1. Select MAC 2311 or MAC 2253
   D. Social Foundations
      (0 hrs)
   E. Science Foundations
      3-4 hrs
      1. Select PHY 2048 or PHY 2053C
      Note: See PHY component under Section 2.

2. Common Program Prerequisites (CPP) (4-5 hrs)
   (C or better grades are required in all courses)
   MAC 2311 or MAC 2253
   MAC 2312 or MAC 2254 or equivalent
   PHY 2048 and PHY 2048L
   or PHY 2053C

3. Engineering Technology Core Requirements (18 hrs)
   (C or better grades are required in all courses.)
   ETG 3541 Applied Mechanics
      3 hrs
   ETI 3651C Computer Applications
      3 hrs
   ETI 3671 Technical Economic Analysis
      3 hrs
   ETI 4635 Technology Administration
      3 hrs
   ETI 3116 Engineering Quality Assurance
      3 hrs
   ENC 3241 Technical Report Writing
      3 hrs
   BSC 1050L or BSC 1050L
      4 hrs

4. Upper Level Required Courses (21 hrs)
   (C or better grades are required in all courses)
   CET 3198C Digital Systems
      3 hrs
   CET 3503 Microcomputer Technology I
      3 hrs
   CEE 3134C Digital Microprocessor Electronics
      3 hrs
   EET 3716 Network Analysis
      3 hrs
   EET 4159C Linear Integrated Circuits
      3 hrs
   EET 4548 Power Systems
      3 hrs
   EET 4732C Feedback Control Systems
      3 hrs

5. Upper Level Technical Electives (6 hrs)
   (C or better grades are required in all courses)
   Select six hours from the following:
   CET 3144C Applied Microprocessor Technology
      3 hrs
   CET 4138C Digital Programmable Devices
      3 hrs
   CET 4333 Computer Organization & Design
      3 hrs
   EET 4329C Communication Systems
      3 hrs
   EET 4395C Digital Communications
      4 hrs

6. Departmental Exit Requirement (3 hrs)
   ETG 4950C Senior Design Project
      3 hrs
   A grade of 2.0 or better is required in all prerequisites.

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
   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 residence at UCF
   E. A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
   F. Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

   Total Semester Hours Required: 134 hrs
   Related Programs: Electrical Engineering Technology (Electrical Systems Concentration).
   Related Minors: none

   Transfer Notes:
   A. 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.
   B. 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.

   Junior Year
   Fall 13/14 hrs Spring 16 hrs
   MAC 2523 Applied Calc I or
      3/4 PHY 2064C/2049 w/lab
   MAC 2311 Calc w/Analy Geom I
      3
   EIT 3617 Tech Economic Analysis
      3 CET 3198C Digital Systems
   SPC 1600 Oral Communications
      3 EIT 4635C Technical Administration
   PHY 2053C/2048 Physics I
      4 EET 3716 Network Analysis
   EET 4359C Digital Communications
   3
   Spring 16 hrs
   EET 4329C Communication Systems
      3 EET 4548 Power Systems
   CET 4333 Computer Organization & Design
      3 CET 4732C Feedback Control Sys
   EIT 3617 Tech Economic Analysis
      3 EET 4548 Power Systems
   EIT 3617 Tech Economic Analysis
      3 CET 4732C Feedback Control Sys

   Summer
   10 hrs
   EIT 3116 Appl Eng Quality Assurance
      3 BSC 1050L or BSC 1050L
   Cultural/Historical Foundation
      3
   Senior Year
   Fall 13 hrs Spring 16 hrs
   EIT 3116 Appl Eng Quality Assurance
      3 EET 4732C Feedback Control Sys
   EIT 4138C Linear Int Cir
      3 EIT 3617 Tech Economic Analysis
   CET 3503 Microcomputer Tech I
      3 EET 4950C Sr Design Project
   MAC 2312, 2254 or MAP 3401
      4 ENC 3241 Writing Tech Pros
   EST 4227 Photonics Sensor
      3
   Summer
   9 hrs
   CET 4333 Comp Org & Design
      3 CET 4732C Feedback Control Sys
   CET 4395C Digital Communications
      3 CET 4548 Power Systems
   CET 4548 Power Systems
      3 CET 4732C Feedback Control Sys

   GENERAL BUSINESS (B.S.B.A.)
   A.S. to B.S. TRACK
   (Completion program for individuals who have a statewide articulated A.S. in business administration from a Florida public community college)

   College of Business Administration
   BA 240, 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)
      Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:
      A. Communication Foundations - Required SPC 1600
      B. Cultural and Historical Foundations
      C. Mathematical Foundations
      D. Social Foundations
      E. Science Foundation

   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
      MAC 2233 Concepts of Calculus
      STA 2023 Statistical Methods
      CGS 2100CC Computer Fundamentals for Business

   3. Required for All Business Majors (30 hrs)
      First or subsequent semester in the College of Business Administration:
      GEB 2031 Cornerstone (Required in 1st or 2nd semester)
      GEB 3556 Introduction to International Business
      BUL 3130 Legal & Ethical Environments of Business
      ECO 3411 Quantitative Business Tools II
      FIN 3403 Business Finance
      MAN 3025 Management of Organizations
      ISM 3011 Essentials of Management Information Systems
      MAR 3023 Marketing
      Last Semester:
      MAN 4720 Strategic Management

   4. Special college and/or department requirements:
Articulated A.S. To B.S. Programs

- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

5. Second Level Core (5 courses):
Students must take one course from each of the following areas:
Accounting (must take ACG 3131), Economics (must take ECP 4703), Finance, Management, and Marketing. These five courses are restricted to the courses listed below:

- Accounting: ACG 3101, Intermediate Accounting I
- Economics: ECP 4703, Managerial Economics
- Finance: FIN 3303, Financial Markets
- Management: MAN 4240, Organizations: Theory and Behavior
- Marketing: MAR 4156, International Marketing

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.

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)

10. Electives*** (variable)
Must be outside the College of Business

Total Semester Hours Required 132 hours

Community College Transfer Notes
- Common Program Prerequisites for the State University System of College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a computer fundamentals for business class. At UCF Business, students who have completed the calculus and statistics class will be waived from Business Quantitative Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative 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
- A minimum of 12 semester hours must be completed at UCF within each individual major.
- 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.

***General electives as required to reach 132 semester hours.

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. TRACK
(Completion program 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.

Degree Requirements
1. UCF General Education Program (GEP) (18 hrs)
   Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
   A. Communication Foundations
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
   D. Social Foundations
   E. Science Foundation

2. Common Program Prerequisites (3 hrs)
   HFT 1000, Introduction to Hospitality Management

3. Hospitality Management Core (27 hrs)
   - CGS 2100CC, Computer Fundamentals of Business (GEP)
   - or STA 2023, Statistical Methods I (GEP)
   - or ECO 2013, Macroeconomics (GEP)
   - or ECO 2023, Microeconomics (GEP)
   - MAC 1105, College Algebra (GEP)
   - HFT 3540, Guest Services Management
   - HFT 3431, Hospitality Managerial Accounting
   - HFT 4295, Leadership and Strg Mgmt in Hospitality Industry
   - HFT 4286, Hospitality Communications
   - HFT 4462, Hospitality Industry Finance
   - HFT 4941, Internship II
   - HFT 4944, Internship III
   - HFT 3933, Distinguished Lectures in Hosp. Mgt.

Select 3 of the following 4 courses to complete the core
- HFT 3700, Tourism Management
- HFT 3261, Restaurant Management
- HFT 3273, Principles of Resort Time Sharing
- HFT 4755, Theme Park and Attractions Mgmt

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)
Students must take 15 credit hours of Hospitality Management courses from the following list for the Generalist track. Alternatively, students may choose one of the six specialized career tracks as outlined below.

A. Generalist Track

Choose five advanced courses from the following list: (15 hrs)

- HFT 3313 Hospitality Physical Plant Management 3 hrs
- HFT 4343 Hospitality Facilities Planning & Design 3 hrs
- HFT 4298 Hospitality Business Consulting 3 hrs
- HFT 4473 Hotel Development Analysis 3 hrs
- HFT 3785 Management of Gaming Enterprises 3 hrs
- HFT 3807 Multi-Unit Food Service Organizations 3 hrs
- HFT 4861 Beverage Management 3 hrs
- FSS 4124 Supply and Procurement Management 3 hrs
- FSS 4135 Corporate Contract & Managed Services Orgs 3 hrs
- FSS 3232C Intermediate Techniques of Food Production 3 hrs
- HFT 4298 Convention & Conference Services 3 hrs
- HFT 4754 Exhibit & Trade Show Operations 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- HFT 4722 Travel Agency Management 3 hrs
- HFT 4762 Current Practices in the Airlne Industry 3 hrs
- HFT 4275 Development of Vacation Ownership Resorts 3 hrs
- HFT 3741 Meeting Management 3 hrs
- HFT 3757 Event Management 3 hrs
- HFT 4266 Restaurant Brand Management 3 hrs
- HFT 4268 Case Studies in Restaurant Management 3 hrs
- HFT 4844 Sanitation Mgmt in Foodservice Industry 3 hrs
- HFT 4274 Vacation Ownership Resort Management 3 hrs
- HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
- HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
- HFT 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 4269 Case Studies in Multi-Unit Restaurant Mgmt 3 hrs
- HFT 4453 Food, Beverage and Labor Cost Controls 3 hrs
- HFT 4432 Hospitality Industry Auditing 3 hrs
- HFT 4413 Technology Applications for Management 3 hrs
- HFT 4253 Hotel Operations 3 hrs
- FSS 3008 Culture and Cuisine 3 hrs
- HFT 3784 Amusement Technology 3 hrs
- HFT 3802 Catering Management 3 hrs
- HFT 3710 Cruise Line Operations and Management 3 hrs
- HFT 3574 Food Service Marketing Advertising and Promotion Management 3 hrs
- HFT 3654 Franchising in the Restaurant Management 3 hrs
- HFT 3610 Law and Restaurant Management 3 hrs
- HFT 3374 Multi Media Applications in Exhibitions 3 hrs
- HFT 3834 Topics in Restaurant and Foodservice Mgt 3 hrs
- HFT 4375 Advanced Trade Show Management 3 hrs
- HFT 4864 Anheuser Busch Seminar in Quality 3 hrs
- HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
- HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
- HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
- HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
- HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
- HFT 4277 Yacht, Country, and Club Management 3 hrs
- HFT 3285 International Restaurant Corporate Mgmt 3 hrs
- HFT 4311 Convention and Conference Sales 3 hrs
- HFT 3515 Reservations Sales & Marketing 3 hrs
- HFT 4284 Training and Performance in the Food Svc Ind 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs
- HFT 4866C Exploring Wines of the World 3 hrs
- HFT 3868 History of Wine and Culture 3 hrs
- HFT 4894 International Gastronomy 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3780 Hospitality and Event Risk Management 3 hrs
- HFT 3785 Management of Gaming Enterprises 3 hrs
- HFT 3792 Event Design and Production 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4555 Advanced Hotel Development 3 hrs
- HFT 4298 Hospitality Business Consulting 3 hrs
- HFT 4561 Destination Marketing 3 hrs
- HFT 4791 Event Management II 3 hrs
- HFT 4796 International Events 3 hrs
- HFT 4865 Advanced Wine Management 3 hrs
- HFT 4753 Convention and Conferences Services 3 hrs
- HFT 4754 Exhibit & Trade Show Operations 3 hrs
- HFT 3802 Catering Management 3 hrs
- HFT 3741 Meeting Management 3 hrs
- HFT 3757 Event Management 3 hrs
- HFT 3511 Convention and Conference Sales 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs
- HFT 4375 Advanced Trade Show Management 3 hrs

B. Event Management Track – Choose 5 Courses (15 hrs)

- HFT 4753 Convention and Conferences Services 3 hrs
- HFT 4754 Exhibit & Trade Show Operations 3 hrs
- HFT 3802 Catering Management 3 hrs
- HFT 3741 Meeting Management 3 hrs
- HFT 3757 Event Management 3 hrs
- HFT 3511 Convention and Conference Sales 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs
- HFT 4375 Advanced Trade Show Management 3 hrs

C. Vacation Ownership Resort Management Track (15 hrs)

- HFT 4275 Development of Vacation Ownership Resorts 3 hrs
- HFT 4274 Vacation Ownership Resort Management 3 hrs
- HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
- HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
- HFT 4343 Hospitality Facilities Planning & Design 3 hrs

D. Theme Park and Attraction Mgmt Track – Choose 5 Courses (15 hrs)

- 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 3757 Event Management 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs

E. Tourism Management Track (15 hrs)

- HFT 4735 Tourism Geography 3 hrs
- HFT 4722 Travel Agency Management 3 hrs
- HFT 4762 Current Practices in the Airline Industry 3 hrs
- HFT 4754 Exhibit & Trade Show Operations 3 hrs
- HFT 3757 Event Management 3 hrs

F. Lodging Management Track (15 hrs)

- HFT 3313 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

G. Hospitality Financial Management and Technology (15 hrs)

- HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
- HFT 4473 Hotel Development Analysis 3 hrs
- HFT 4453 Food, Beverage and Labor Cost Controls 3 hrs
- HFT 4432 Hospitality Industry Auditing 3 hrs
- HFT 4413 Technology Applications for Management 3 hrs
- HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 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)

8. Electives (variable)

- 500 hours of supervised work experience
### Total Semester Hours Required: 128 hrs

<table>
<thead>
<tr>
<th>Community College Transfer Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>ACG X001 and X011 will substitute for HFT 2403 at UCF.</td>
</tr>
<tr>
<td>Florida public community college students are encouraged to complete the General Education requirements prior to transferring to UCF.</td>
</tr>
<tr>
<td>A minimum of 30 semester hours must be completed at UCF within the Hospitality major.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>The College may allow substitutions for Hospitality classes taken at the community college. Students should check with the Rosen College of Hospitality Management College for approval of substitutions.</td>
</tr>
</tbody>
</table>

### INFORMATION SYSTEMS TECHNOLOGY (B.S.)

#### A.S. to B.S. TRACK

(Completion program 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**

Coordinator: Bahman Motlagh

407-823-4748 Fax: 407-823-4746

[http://www.ent.ucf.edu](http://www.ent.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)

   **A. Communication Foundations**
   - (nine hours completed in AS degree program)
   - 9 hrs

   **B. Cultural and Historical Foundations**
   - (3 hrs taken in AS degree program)
   - 6 hrs

   **C. Mathematical Foundations**
   - (completed in AS degree program)
   - 9 hrs

   **D. Social Foundations**
   - 6 hrs

   **E. Science Foundations**
   - 6 hrs

2. **Lower Level Required Courses Taken at Community College** (33 hrs)

3. **Information Systems Technology Core Courses**

   **C or better grade required in all courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI 351C</td>
<td>Computer Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Intro to Info Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIT 4448</td>
<td>Applied Proj Mgmt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EET 3083C</td>
<td>Electricity &amp; Electronics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CET 3323C</td>
<td>Digital Technology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CET 2364</td>
<td>Systems Applications in C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. **Required Technical Courses**

   **C or better grade required in all courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 4427</td>
<td>Applied Database I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3383</td>
<td>Applied Systems Analysis I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4505</td>
<td>Applied Operating Systems I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3752</td>
<td>Intro to Telephony</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Computer Organization &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4748</td>
<td>Wide Area Networks I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. **Technical Electives**

   **C or better grade required in all courses**

   Choose four from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3198C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4138C</td>
<td>Digital Programmable Devices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4931</td>
<td>Current Topics in Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4749</td>
<td>Wide Area Network II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 3401</td>
<td>Problem Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4532</td>
<td>Applied Systems Analysis II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4429</td>
<td>Applied Database II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4583</td>
<td>Web Base Systems I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4584</td>
<td>Web Base Systems II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer &amp; Networks Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 5937</td>
<td>Data Mining I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Technical Electives

#### 6. Departmental Exit Requirements

#### 7. Foreign Language Requirements

#### 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 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:

- 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 this 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.

### 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 students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Junior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>14 hrs</td>
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<tr>
<td></td>
<td>EET 3085C Elect &amp; Electronics</td>
</tr>
<tr>
<td></td>
<td>CET 3323C Digital Tech</td>
</tr>
<tr>
<td></td>
<td>CET 3010 Intro to Info Tech</td>
</tr>
<tr>
<td></td>
<td>CET 2364 Systems Apps in C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>12 hrs</td>
</tr>
<tr>
<td></td>
<td>CET 4483 Local Area Network</td>
</tr>
<tr>
<td></td>
<td>CET 3651C Computer Appl</td>
</tr>
<tr>
<td></td>
<td>Tech Elective</td>
</tr>
</tbody>
</table>

UCF 2023
Articulated A.S. To B.S. Programs

Summer
- CET 4333 Comp Org & Design: 3
- ENC 3241 Tech Rpt Writing: 3
- ETI 4448 Applied Proj Mgmt: 3

Senior Year
- Fall: 12 hrs
  - CET 4505 Appl Oper Sys I: 3
  - CET 4427 Appl Database I: 3
  - CET 3752 Intro to Telephony: 3
  - CET 4748 Wide Area Networks I: 3

- Spring: 12 hrs
  - CET 4505 Appl Oper Sys I: 3
  - CET 4427 Appl Database I: 3
  - CET 4748 Wide Area Networks I: 3

LIBERAL STUDIES (B.S.)

A.S. TO B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
Liberal Studies Advising Team, 407-823-0144

The program is administered through the Office of Liberal and Interdisciplinary Studies in the Office of Undergraduate Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students.

Admission Requirements
Completion of an A.S. degree from a Florida public community college that is composed of (at least) 60 credit hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree program and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Co-op or internship credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas
- Students must earn at least a "C" (2.0) in each restricted elective course
- Students must consult with a Liberal Studies advisor to enter the program
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degrees (s) and/or major(s), including any minors associated with that degree
- Students must complete a minimum of 60 credit hours at UCF (including up to 18 hours to complete the GEP, 18 upper level hours in one area of restricted electives, and 30 upper level credits in a minor and elective hours)

1. UCF General Education Program (GEP) (18 hrs)
   Students will complete 18 hours of selected General Education courses at UCF. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
   - Communication Foundations
   - Cultural and Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - Science Foundation

2. Common Program Prerequisites
   None

3. Restricted Electives (36 hrs)
   - Students must complete one subject area concentration of eighteen upper-level credit hours from among those specified below
   - Students must have sufficient work in the community college for a second subject area concentration of eighteen credit hours as determined by the Liberal Studies office
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student audit

- Students are required to take a minimum of 18 UCF hours, as well as 18 upper-division hours, in the two areas combined
- See the Liberal Studies Advising Team for details regarding each area:
  - Commerce
  - Computer Science
  - Education
  - Engineering
  - Health and Biomedical Sciences
  - Natural Sciences
  - Public Affairs*

4. Required Minor (18 hrs min)
   Students must complete a minor from those offered at UCF that qualify in the B.S. area. A list of these minors is available in the Liberal Studies office as part of the A.S. to B.S. degree advising sheet. The minor cannot overlap with the two subject areas. The minimum number of credit hours for a minor is eighteen at the upper level. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the 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, including those at the community college
   - Computer competency met by CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment

6. Foreign language Requirements
   Admission-BS: Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation -BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, 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.

7. Electives (variable)
   Select from upper level courses, with Liberal Studies 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 hours

Related Programs: Computer In formation Technology Track, Liberal Arts Track, Environmental Studies Track, Women’s 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 Liberal Studies Advising Team. The student must provide all supporting information.
NURSING (B.S.N.)

E. A.S. TO B.S.N. TRACK
(Completion program for individuals who have a statewide articulated A.S. Nursing degree from a Florida public community college)

College of Health and Public Affairs
HPA 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/
RN-BSN Coordinator: Linda Hennig
E-mail: ucnurse@mail.ucf.edu

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 School of Nursing. All applicants must have:

- A minimum overall GPA of 2.5
- Completion of a Statewide Articulated A.S. 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 12/00 or later)
- 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
- Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- 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 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 (18 hrs)
Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with 18 hours of General Education courses completed as part of the articulated A.S.

Student must complete all General Education and foreign language admissions requirements prior to NUR 4084. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

UCF General Education Program (36 hrs)
A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPH 1100
B. Cultural Historical Foundations
   1. Select MAC 1105
   2. Select STA 2014C
C. Mathematical Foundations
   1. Select SYG 2000
   2. ECO 2013, ECO 2023 or POS 2041
D. Social Foundations
   1. Select SYG 2000
   2. Select SYG 2000
E. Science Foundations:
   BSC 2010C – General Biology
   CHM 1032 & CHM1033 – General Chemistry & Lab
   OR Anatomy & Physiology I & II
   OR ZOO 3733C & PCB 3703C, Human Anatomy & Physiology

2. Common Program Prerequisites (21 hrs)
   PSY 2012 General Psychology**
   SYG 2000 Sociology**
   MCB 2004C Health Microbiology
   CHM 1032L General Chemistry and Lab**
   ZOO 3733C Human Anatomy*
   PCB 3703C Human Physiology*
   STA 2014C Principles of Statistics**
   or 2023 Statistical Methods I
   SOW 3104 Assessing Human Development or
   or DEP 2004 Developmental Psychology
   HUN 3011 Human Nutrition
   **May take Anatomy and Physiology sequence of six-eight total credits;
   **Also meets General Education Requirements;
   See a UCF Nursing advisor for possible course substitutions.

3. Core Requirements (55 hrs)
   NUR 3065L Health Assessment
   NUR 3065L Health Assessment Lab
   NUR 3165 Nursing Research/Critical Inquiry
   NUR 4084 Transitional Concepts in Nursing II
   NUR 4636 Community as Continuum of Care
   NUR 4636L Clin Pract in Comm-Oriented Nursing
   NUR 4827 Leadership and Management Principles
   NUR 4837 Health Care Issues, Policy, & Econ
   NUR 4892 Directed Nursing Practice
   NUR 4894 Directed Nursing Practice
   NUR 4896 Directed Nursing Practice
   NUR 4898 Directed Nursing Practice
   Validation Credit

4. Restricted Elective (3 hrs)
   Any Nursing Elective

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   UCF GPA of 2.5 or above
   School of Nursing GPA of 2.5 or above

6. Electives variable

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 hours
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 3065:
   RN status or eligible to take NCLEX.
Prior to NUR 3165:
   Complete NUR 3065 and Statistics course with grade of “C” (2.0) or better
Prior to NUR 4084:
   Be admitted to the Nursing program
   Complete General Education requirements from a Florida state community college or university (SUS)
   Complete CLAST (or exemption)
   Complete foreign language admission requirement

RADIOLOGIC SCIENCES (B.S.)
A.S. TO B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Health and Public Affairs
HPA2 210, 407-823-2747
Undergraduate Program Director: Thomas Edwards
E-mail: tedwards@mail.ucf.edu
http://www.cohpa.ucf.edu/health/pro/radtransfer.cfm

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 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
   - Select ENC 1102 and SPC 1600 or SPC 1016
   
   B. Cultural Historical Foundations
   - Select ENC 1102 and SPC 1600 or SPC 1016
   
   C. Mathematical Foundations
   - MAC 1105 (Completed at CC)
   - CGS 1060C (Completed at CC)
   
   D. Social Foundations
   - Select ECO 2013 or ECO 2023 or POS 2041
   
   E. Science Foundations
   - Select PHY 2053C
   - Select BSC 1005 or 1050

2. **Common Program Prerequisites**

   (4 hrs)

   - CGS 1060C Introduction to Computer Science
   - PCB 3703C Human Physiology
   - PHY 2053C College Physics I
   - PHY 2054C College Physics II
   - ZOO 3733C Human Anatomy
   - MAC 1105 College Algebra

   CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.

   * See Transfer Notes

3. **Core Requirements**

   (33 hrs)

   A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.

   **Junior Level**

   RTE 3000 Introduction to Radiologic Sciences
   RTE 3111C Introduction to Patient Care
   RTE 3503C Radiographic Procedures I
   RTE 3116 Advanced Patient Care

   **Senior Level**

   RTE 3418C Principles of Radiographic Exposure I
   RTE 3930 ST: Clinical Education I
   RTE 3513C Radiographic Procedures II
   RTE 3457C Principles of Radiographic Exposure II
   RTE 3684C Physics of Image Production
   RTE 3308 Medical Physics
   STA 2023 Statistical Methods I
   HSC 4550 Pathophysiologic Mechanisms
   RTE 3930 ST: Clinical Education II

   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 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

5. **Electives**

   none

6. **Foreign Language Requirements**

   (0-8 hrs)

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

   Graduation: none

7. **University Minimum Exit Requirements**

   - An overall GPA of 2.5
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999 Subcollegiate level and not counted in meeting degree requirements.
1000-2999 Freshman and sophomore level courses and are designed primarily for these students.
3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.
5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than 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. This common numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

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 details."

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 35 different postsecondary institutions. Each institution uses "SYG_010" to identify its social problems 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, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In science and 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 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, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully complete SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:
Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency
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:

Courses in the x900-x999 series (e.g., ART 2905)

- Internships, practica, clinical experiences, and study abroad courses
- Performance or studio courses in Art, Dance, Theater, and Music Skills courses in Criminal Justice
- Graduate courses
- Courses not offered by the receiving institution
- For courses at non-regionally accredited institutions, courses offered prior to the transfer date of the course

College preparatory and vocational preparatory course may not be used to meet degree requirements and are not transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. David Dees, Assistant Dean of Undergraduate Studies, Academic Services, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or SunCom 205-0427.
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## 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

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<td>Grad 2</td>
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#### Special Undergraduate Research

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#### Special Topics/Seminars

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<td>IDS 5937</td>
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### 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 consult 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) Requires a student to obtain permission from the instructor prior to registering for the course.

#### Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours. Example:

- **ENV 4121C**
- **ECS-CEE 3(2,3)**

ENV 4121C is offered by the College of Engineering and Computer Science (ECS), in the Civil and Environmental Engineering (CEE) department, carries 3 hours of credit but requires 5 contact hours which consist of 2 hours in class and 3 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**, **AH = Arts & Humanities**, **BHC = Burnett Honors College**, **COS = Sciences**, **ED = Education**, **ECS = Engineering and Computer Science**, **HM = Hospitality Management**, and **HPA = Health and Public Affairs**. Department indicators are listed below (by college):

- **AS** = African American Studies
- **ART** = Art
- **CAS** = Arts & Sciences
- **BIOL** = Biology
- **CHEM** = Chemistry
- **COMM** = Communication
- **DIG** = Digital Media
- **ENG** = English
- **FILM** = Film
- **LANG** = Foreign Languages
- **MATH** = Mathematics
- **MUSIC** = Music
- **OASIS** = OASIS
- **PSYCH** = Psychology
- **RTTV** = Radiologic Technology
- **SOCIAN** = Sociology & Anthropology
- **STATS** = Statistics
- **THEA** = Theatre
- **WOM** = Women's Studies
- **ACCOUNTING** = Accounting
- **BUS** = Business
- **ECON** = Economics
- **FIN** = Finance
- **MAN** = Management
- **MIS** = Management Information System
- **MARKETING** = Marketing
- **AFROTC** = Air Force ROTC-Aerospace
- **CIE** = Civil & Environmental Engineering
- **ECE** = Electrical Eng & Computer Sci
- **ENG** = Engineering
- **ENT** = Engineering Technology
- **IEMS** = Industrial & Management
- **MMAE** = Mechanical/Materials/Aerospace
- **ROTC** = Military Science-Army
- **CFCS** = Child, Family & Comm Services
- **EDU** = Education
- **ERTL** = Educational Foundations
- **ES** = Educational Studies
- **HSP** = Hospitality Management
- **COMD** = Communicative Disorders
- **CJLS** = Criminal Justice & Legal Studies
- **CEHS** = Health & Public Affairs
- **HIM** = Health Information Management
- **HP** = Health Professions
- **M&M** = Molecular & Microbiology
- **NURS** = Nursing
- **PUB** = Public Administration
- **SOC** = Social Work

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**310 UNIVERSITY OF CENTRAL FLORIDA**

**2006-2007 Undergraduate Catalog**


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, and disclosure plus 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”. 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 principles of financial and managerial accounting, and auditing for governmental, and nonprofit organizations. Fall, Spring.


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 3414 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 3131 or ACG 3381. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 5005 BA-ACCT 1.5(1.5,0) Accounting Foundations: PR: Acceptance to Graduate Study. Accounting and reporting from an investment and managerial decision making perspective. Fall, Spring.


ACG 5346 BA-ACCT 3(3,0) Advanced Managerial Accounting: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3361 with a grade of “C” or better and ECO 3411. Advanced and current techniques for generation and use of accounting information in managerial decision-making. Fall, Spring.

ACG 5405 BA-ACCT 3(3,0) Advanced Accounting Information Systems: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 4401C. Design, analysis and evaluation of accounting information systems. Fall, Spring.

ACG 5517 BA-ACCT 3(3,0) Financial Accounting and Auditing for Governmental and Nonprofit Organizations: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3501 or consent of Graduate Program Advisor. Financial accounting and reporting for governments and nonprofit organizations; financial audit of government and nonprofit organizations. Occasional.

ACG 5625 BA-ACCT 3(3,0) Auditing and EDP: PR: Acceptance for graduate study, ACG 4401C, and ACG 4651. An examination of auditing procedures followed when a company uses a computer to process financial records. Occasional.


AFA 3102 CAH-AAS 3(3,0) Black Perspectives: A Multidisciplinary Approach: PR: ENC 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) The African American Experience: PR: AFA 3102. The black experience in the African diaspora; interdisciplinary examination of major texts, theories, practices and philosophic foundations in African American intellectual and cultural history. Fall, Spring.

AFA 3955 CAH-AAS 6(6,0) Study Abroad in Eastern Caribbean: PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diaspora cultures in the Eastern Caribbean. Occasional.


AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: graduate status or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AHI 3100 CAH-HIST 3(3,0) African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.
AFH 3200 CAH-HIST 3(3,0) 

AFH 5806 CAH-HIST 3(3,0) 
The Historiography of Slavery in Africa: PR: graduate status or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFR 1101C ECS-AFROTC 1(1,2) 

AFR 1111C 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 aero-space power in the contemporary world. Spring.

AFR 3220C ECS-AFROTC 3(3,2) 
Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership skills. Hands on training. Fall.

AFR 3230C ECS-AFROTC 3(3,2) 

AFR 4201C ECS-AFROTC 3(3,2) 

AFR 4210C ECS-AFROTC 3(3,2) 

AMH 2020H CAH-HIST 3(3,0) 

AMH 2010H CAH-HIST 3(3,0) 

AMH 2020 CAH-HIST 3(3,0) 
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.

AMH 2020H CAH-HIST 3(3,0) 

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 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 3421 CAH-HIST 3(3,0) 
History of Florida to 1845: PR: AMH 2010 and 2020 or C.I. Occasional.

AMH 3423 CAH-HIST 3(3,0) 
Florida History 1845-Present: PR: AMH 2010 and 2020 or C.I. 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 an interpretive approach to American history. Occasional.

AMH 3442 CAH-HIST 3(3,0) 
History of the Frontier: Western America: PR: AMH 2010 and 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) 

AMH 3547 CAH-HIST 3(3,0) 

AMH 3558 CAH-HIST 3(3,0) 

AMH 3561 CAH-HIST 3(3,0) 

AMH 3562 CAH-HIST 3(3,0) 

AMH 3571 CAH-HIST 3(3,0) 

AMH 3572 CAH-HIST 3(3,0) 

AMH 3586 CAH-HIST 3(3,0) 
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicano, Puerto Rican, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0) 

AMH 3613 CAH-HIST 3(3,0) 

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 2020 or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0) 
The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.

AMH 4130 CAH-HIST 3(3,0) 

AMH 4140 CAH-HIST 3(3,0) 
Jeffersonian America: PR: AMH 2010 and 2020 or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.

AMH 4160 CAH-HIST 3(3,0) 
Jacksonian America: PR: AMH 2010 and 2020 or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.

AMH 4170 CAH-HIST 3(3,0) 
Civil War and Reconstruction: PR: AMH 2010 and 2020 or C.I. Reconstruction, and impact of industrialism. Occasional.
World War I, post-war prosperity, the Depression, the New America, The emergence of the New South and the New 2020 or C.I. The Rise of Industrialized and Urbanized

AMH 4201 CAH-HIST 3(3,0) The Gilded Age and Progressivism: PR: AMH 2010 and 2020 or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. Occasional.

AMH 4231 CAH-HIST 3(3,0) United States History: 1914-1939: PR: AMH 2010 and 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 2020 or C.I. World War II, the Cold War and America in the fifties. Occasional.

AMH 4273 CAH-HIST 3(3,0) U. S. History Since 1960: PR: AMH 2010 and AMH 2020 or C. I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. Occasional.

AMH 4311 CAH-HIST 3(3,0) American Culture I: PR: AMH 2010 and 2020 or C. I. The European Backgrounds: Punturism; Enlightenmnet; the Great Awakensing; 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 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 presensism. 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 4512 CAH-HIST 3(3,0) US Diplomatic History: 1914-1945: PR: AMH 2010 and AMH 2020, or C.I. U.S. diplomacy from World War I through Word War II. Occasional.

AMH 4513 CAH-HIST 3(3,0) United States as a Great Power: 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. Occasional.

AMH 4573 CAH-HIST 3(3,0) Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.

AMH 5116 CAH-HIST 3(3,0) Colloquium in U.S. Colonial History: PR: graduate status 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 status or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1799. Occasional.

AMH 5149 CAH-HIST 3(3,0) Colloquium in Early U.S. History, 1789-1815: PR: graduate status 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 status 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 status or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: graduate status 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 status 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 5391 CAH-HIST 3(3,0) Colloquium in U.S. Cultural History: PR: graduate status 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 5407 CAH-HIST 3(3,0) Colloquium in American South: PR: graduate status 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 status 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 status or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit when content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: graduate status 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 status or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3031 CAH-ENG 3(3,0) American Literature I: PR: ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.

AML 3041 CAH-ENG 3(3,0) American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.

AML 3283 CAH-ENG 3(3,0) Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AML 3613 CAH-ENG 3(3,0) Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.

AML 3614 CAH-ENG 3(3,0) Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. Occasional.

AML 3615 CAH-ENG 3(3,0) Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0) Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.

AML 3682 CAH-ENG 3(3,0) Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0) Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. Occasional.

AML 4153 CAH-ENG 3(3,0) American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others.

AML 4155 CAH-ENG 3(3,0) Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Major American poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0) Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. The 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4265</td>
<td>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.</td>
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<tr>
<td>ANG 4300</td>
<td>CAH-ENG 3(3,0) Major American Authors: PR: ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit when content changes. Fall, Spring.</td>
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<tr>
<td>ANG 4304</td>
<td>CAH-ENG 3(3,0) Whitman and His Heirs: PR: ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.</td>
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<tr>
<td>ANG 4321</td>
<td>CAH-ENG 3(3,0) Modern American Literature: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Major writers of modern American literature. Occasional.</td>
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<tr>
<td>ANG 4630</td>
<td>CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENC 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.</td>
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<tr>
<td>ANG 5076</td>
<td>CAH-ENG 3(3,0) American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American literature. This course surveys texts produced in America from the colonial period to the present. Occasional.</td>
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<tr>
<td>ANG 5156</td>
<td>CAH-ENG 3(3,0) Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart, Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. Occasional.</td>
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<tr>
<td>ANG 5165</td>
<td>CAH-ENG 3(3,0) Maya Field Research: PR: Graduate standing or C.I. Practical application of method and theory during primary in-field research in the Maya area. Spring.</td>
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<tr>
<td>ANG 5166</td>
<td>CAH-ENG 3(3,0) Problems in Maya Studies: PR: ANG 6168 or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.</td>
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<tr>
<td>ANG 5167</td>
<td>CAH-ENG 3(3,0) Maya Hieroglyphs: PR: ANG 6168, graduate status or senior standing, 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.</td>
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<tr>
<td>ANG 5228</td>
<td>CAH-ENG 3(3,0) Maya Iconography: PR: ANG 6168 or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.</td>
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<tr>
<td>ANG 5272</td>
<td>CAH-ENG 3(3,0) Culture, Power and Development: PR: Graduate standing or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.</td>
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<tr>
<td>ANG 5307</td>
<td>COS-ANTHRO 3(3,0) Peoples and Cultures of Latin America: PR: Graduate standing or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.</td>
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<tr>
<td>ANG 5341</td>
<td>COS-ANTHRO 3(3,0) Caribbean Cultures: PR: Graduate standing 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.</td>
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<tr>
<td>ANG 5347</td>
<td>COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: Graduate standing or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.</td>
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<tr>
<td>ANG 5467</td>
<td>COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One course in Social Sciences (min-200-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.</td>
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<td>ANG 5620</td>
<td>COS-ANTHRO 3(3,0) Language and Culture: PR: Graduate standing in Anthropology or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Occasional.</td>
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<td>ANG 5622</td>
<td>COS-ANTHRO 3(3,0) Language, Culture and Pedagogy: PR: Graduate standing or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.</td>
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<tr>
<td>ANG 5741</td>
<td>COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Graduate standing or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual - ancient and modern. Occasional.</td>
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<tr>
<td>ANG 5742</td>
<td>COS-ANTHRO 3(3,0) Problems in Forensic Anthropology: PR: Graduate standing or C.I. Current issues and topics in forensic anthropology. Occasional.</td>
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<tr>
<td>ANG 5744</td>
<td>COS-ANTHRO 3(3,0) General Anthropology: PR: ANG 6168, graduate status or senior standing, or C.I. The study of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Occasional.</td>
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<tr>
<td>ANT 2000</td>
<td>COS-ANTHRO 3(3,0) General Anthropology: PR: ANG 6168, graduate status or senior standing, or C.I. The study of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Occasional.</td>
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<tr>
<td>ANT 2100</td>
<td>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.</td>
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<td>ANT 2410</td>
<td>COS-ANTHRO 3(3,0) Cultural Anthropology (Anthropology): PR: Graduate standing or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.</td>
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<tr>
<td>ANT 2511</td>
<td>COS-ANTHRO 3(3,0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.</td>
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<tr>
<td>ANT 2511H</td>
<td>COS-ANTHRO 3(3,0) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Occasional.</td>
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<tr>
<td>ANT 3115</td>
<td>COS-ANTHRO 3(3,0) Archaeological Method and Theory: PR: Graduate standing or C.I. A survey of archaeological and field techniques, including the interpretation of written archaeological reports. Even Fall.</td>
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<tr>
<td>ANT 3114</td>
<td>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.</td>
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<tr>
<td>ANT 3145</td>
<td>COS-ANTHRO 3(3,0) Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power. Fall.</td>
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<td>ANT 3155</td>
<td>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.</td>
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<tr>
<td>ANT 3163</td>
<td>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.</td>
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<tr>
<td>ANT 3164</td>
<td>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.</td>
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<tr>
<td>ANT 3168</td>
<td>COS-ANTHRO 3(3,0) Maya Archaeology: An introduction to the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.</td>
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<tr>
<td>ANT 3212</td>
<td>COS-ANTHRO 3(3,0) Peoples of the World: A comparative study of religion, family, politics, philosophy, and other elements of social-cultural organization of pre-literate societies. Fall, Spring.</td>
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<tr>
<td>ANT 3241</td>
<td>COS-ANTHRO 3(3,0) Magic, Ritual, and Belief: Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.</td>
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<tr>
<td>ANT 3245</td>
<td>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.</td>
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<tr>
<td>ANT 3273</td>
<td>COS-ANTHRO 3(3,0) Law and Culture: PR: ANT 2000 or ANT 2410 or C.I. A comparative study of primitive forms of law and social control. Occasional.</td>
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<tr>
<td>ANT 3302</td>
<td>COS-ANTHRO 3(3,0) Sex, Gender and Culture: PR: Graduate standing or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.</td>
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<td>Course Code</td>
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<td>ANT 3311</td>
<td>COS-ANTHRO 3(3,0) Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast. Occasional.</td>
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<tr>
<td>ANT 3312</td>
<td>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.</td>
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<tr>
<td>ANT 3314</td>
<td>COS-ANTHRO 3(3,0) Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science courses. The prehistory, history and culture of Native Americans of the North American Northeast. Occasional.</td>
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<tr>
<td>ANT 3318</td>
<td>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.</td>
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<tr>
<td>ANT 3319</td>
<td>COS-ANTHRO 3(3,0) Anthropology of Diaspora: PR: ANT 2000 or ANT 2410 or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.</td>
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<tr>
<td>ANT 3320</td>
<td>COS-ANTHRO 3(3,0) Indians of the Southwest: PR: ANT 2000. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.</td>
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<tr>
<td>ANT 3330</td>
<td>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.</td>
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<tr>
<td>ANT 3358</td>
<td>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.</td>
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<tr>
<td>ANT 3363</td>
<td>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.</td>
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<tr>
<td>ANT 3541</td>
<td>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.</td>
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<td>ANT 3550</td>
<td>COS-ANTHRO 3(3,0) Primatology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.</td>
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<tr>
<td>ANT 3640</td>
<td>COS-ANTHRO 3(3,0) Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.</td>
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<tr>
<td>ANT 3701</td>
<td>COS-ANTHRO 3(3,0) Applied Anthropology: PR: ANT 2000 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.</td>
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<tr>
<td>ANT 3949</td>
<td>COS-ANTHRO 0(0,8) Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. May be repeated. Graded S/U. Occasional.</td>
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<tr>
<td>ANT 4034</td>
<td>COS-ANTHRO 3(3,0) History of Anthropological Thought: The exploration of the intellectual foundations of modern anthropology. Spring.</td>
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<tr>
<td>ANT 4101</td>
<td>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.</td>
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<tr>
<td>ANT 4144</td>
<td>COS-ANTHRO 3(3,0) Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World; e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. Occasional.</td>
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<tr>
<td>ANT 4153</td>
<td>COS-ANTHRO 3(3,0) North American Archaeology: PR: Any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.</td>
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<tr>
<td>ANT 4180C</td>
<td>COS-ANTHRO 3(1,4) Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.</td>
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<tr>
<td>ANT 4184</td>
<td>COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.</td>
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<tr>
<td>ANT 4308</td>
<td>COS-ANTHRO 3(3,0) Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women's lives. Occasional.</td>
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<tr>
<td>ANT 4332</td>
<td>COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.</td>
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<tr>
<td>ANT 4352</td>
<td>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.</td>
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<tr>
<td>ANT 4354</td>
<td>COS-ANTHRO 3(3,0) Postcolonial Africa: PR: ANT 2000 or SYG 2000 or C.I. Cultural change and continuity in contemporary Africa, ethnography of postcolonial social and cultural issues including globalization, health, economics, peace and stability. Occasional.</td>
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<tr>
<td>ANT 4438</td>
<td>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.</td>
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<td>ANT 4462</td>
<td>COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.</td>
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<tr>
<td>ANT 4467</td>
<td>COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.</td>
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<tr>
<td>ANT 4516</td>
<td>COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Occasional.</td>
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<tr>
<td>ANT 4521C</td>
<td>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.</td>
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<tr>
<td>ANT 4528C</td>
<td>COS-ANTHRO 5(3,3) Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Even Spring.</td>
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<tr>
<td>ANT 4702</td>
<td>COS-ANTHRO 3(3,0) Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.</td>
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<tr>
<td>ANT 4824</td>
<td>COS-ANTHRO 9(9,0)</td>
<td>Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.</td>
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<tr>
<td>ARA 1120</td>
<td>CAH-LANG 4(4,1)</td>
<td>Elementary Arabic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.</td>
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<tr>
<td>ARA 1120H</td>
<td>CAH-LANG 4(4,1)</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 credit. Occasional.</td>
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<tr>
<td>ARA 2200</td>
<td>CAH-LANG 3(3,1)</td>
<td>Intermediate Arabic Language and Civilization I: PR: ARA 1121 or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.</td>
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<tr>
<td>ARE 2011</td>
<td>ED-CFCS 3(3,0)</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>
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<tr>
<td>ARE 3944</td>
<td>CAH-ART 3(2,3)</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>
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<tr>
<td>ARE 4250</td>
<td>ED-TLP 3(3,0)</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>
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<tr>
<td>ARE 4262</td>
<td>CAH-ART 3(3,0)</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>
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<tr>
<td>ARE 4313</td>
<td>ED-TLP 3(2,1)</td>
<td>Art in the Elementary School: PR: Junior standing or C.I. Basic principles, purposes, scope and sequence: organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&amp;S fee: $5.00</td>
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<tr>
<td>ARE 4351</td>
<td>ED-TLP 3(2,1)</td>
<td>Teaching Art in the Elementary School: PR: EDF 4214 and EDF 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&amp;S fee: $5.00</td>
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<tr>
<td>ARE 4352</td>
<td>ED-TLP 3(2,1)</td>
<td>Teaching Art in the Secondary School: PR: EDF 4214, and EDF 4323. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&amp;S fee: $5.00</td>
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<tr>
<td>ARE 4356</td>
<td>ED-TLP 3(3,1)</td>
<td>Teaching Art Appreciation &amp; Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&amp;S fee: $5.00</td>
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<tr>
<td>ARE 4453</td>
<td>ED-TLP 3(3,0)</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>
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<tr>
<td>ARE 4945</td>
<td>CAH-ART 12(0,12)</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>
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<tr>
<td>ARE 5255</td>
<td>ED-TLP 3(2,1)</td>
<td>Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.</td>
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<tr>
<td>ARE 5258</td>
<td>ED-TLP 3(2,1)</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>
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<tr>
<td>ARE 5359</td>
<td>ED-TLP 4(4,0)</td>
<td>Teaching Art K-12: PR: Admission to M.A. in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&amp;S fee: $5.00</td>
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<tr>
<td>ARE 5454</td>
<td>ED-TLP 3(3,0)</td>
<td>Studio Experiences in Art Education: PR: Gradate 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>
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<tr>
<td>ARE 5648</td>
<td>ED-TLP 3(3,0)</td>
<td>Contemporary Visual Arts Education: PR: ARE 4443 or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.</td>
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<tr>
<td>ARH 2050</td>
<td>CAH-ART 3(3,0)</td>
<td>History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.</td>
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<tr>
<td>ARH 2050H</td>
<td>CAH-ART 3(3,0)</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>
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<td>ARH 2051</td>
<td>CAH-ART 3(3,0)</td>
<td>History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.</td>
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<tr>
<td>ARH 2051H</td>
<td>CAH-ART 3(3,0)</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>
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<tr>
<td>ARH 2500</td>
<td>CAH-ART 3(3,0)</td>
<td>History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.</td>
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<td>ARH 3454</td>
<td>CAH-ART 3(3,0)</td>
<td>Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of “Total Art” in an attempt to break down customary distinctions between life and art. Occasional.</td>
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<tr>
<td>ARH 3471</td>
<td>CAH-ART 3(3,0)</td>
<td>Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.</td>
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<td>ARH 3520</td>
<td>CAH-ART 3(3,0)</td>
<td>African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.</td>
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<td>ARH 3570</td>
<td>CAH-ART 3(3,0)</td>
<td>Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.</td>
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<td>ARH 3610</td>
<td>CAH-ART 3(3,0)</td>
<td>American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.</td>
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<td>ARH 3670</td>
<td>CAH-ART 3(3,0)</td>
<td>20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. An exploration of modern (1920 to 1980) in the Caribbean and South America, issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.</td>
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<td>ARH 3673</td>
<td>CAH-ART 3(3,0)</td>
<td>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.</td>
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</table>
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 description, 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)  
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum of the present. Occasional.

ARH 4170 CAH-ART 3(3,0)  
Greek & Roman Art: PR: ARH 2050 or HUM 3431 and ENC 1102 or C.I. A study of the art and architecture of the ancient civilizations of the Mediterranean, comprising Greece, Etruria, and Rome. Occasional.

ARH 3820 CAH-ART 3(3,0)  
Visual Arts Administration: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. 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 1600. 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 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 4545 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, Raipoot, 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-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-ART 3(3,0)  

ARH 4892 CAH-ART 3(3,0)  
Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.

ARH 5897 CAH-ART 3(3,0)  
Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2130C CAH-ART 3(3,0)  
Fibers & Fabrics: Design and production training in surface design, floorloom weaving and fiber sculpture. Occasional. M&S fee: $5.00

ART 2150C ED-TLP 3(2,3)  

ART 2201C CAH-ART 3(2,4)  
Design Fundamentals-Two Dimensional: PR: ART 2820. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&S fee: $15.00

ART 2201H CAH-ART 3(2,4)  
Honors Design Fundamentals-Two Dimensional: PR: ART 2820. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-ART 3(2,4)  
Design Fundamentals-Three Dimensional: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&S fee: $15.00

ART 2300C CAH-ART 3(2,4)  
Drawing Fundamentals I: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee: $10.00

ART 2300H CAH-ART 3(2,4)  

ART 2301C CAH-ART 3(2,4)  
Drawing Fundamentals II: PR: ART 2300C and ART 2820 or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. Fall, Spring. M&S fee: $10.00

ART 2394 CAH-ART 3(3,0)  
Drawing: Computer as a Medium: Object drawing, using the computer and drawing styles as a medium. Occasional.

ART 2400C CAH-ART 3(2,4)  
Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. Occasional.

ART 2500C CAH-ART 3(2,4)  
Beginning Painting: PR: ART 2300C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. Occasional. M&S fee: $15.00

ART 2701C CAH-ART 3(2,4)  
Sculpture: PR: Three semester hours in three-dimensional art. ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall. M&S fee: $20.00

ART 2754C CAH-ART 3(2,4)  
Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee: $55.00

ART 2820 CAH-ART 3(3,0)  
Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2820H CAH-ART 3(3,0)  
Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors consent. Occasional.

ART 3316 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 3332C CAH-ART 3(2,4)  

ART 3433C CAH-ART 3(2,4)  

ART 3504C CAH-ART 3(2,4)  
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Even Spring. M&S fee: $15.00

ART 3616C CAH-ART 3(3,0)  
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee: $15.00

ART 3618C CAH-ART 3(3,0)  
Post-Production Design: PR: Accepted into Animation program. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.
ART 3643C CAH-ART 3(3,0)
Digital Effects & Compositing: PR: Animation major. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&S fee: $35.00

ART 3760C CAH-ART 3(2,4)

ART 3764C CAH-ART 3(2,4)
Ceramic Handbuilding II: 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(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 2203C, ART 2300C, ART 2301C, ART 2430C, and a satisfactory portfolio review or C.I. Textile design and production, including non-loom weaving processes. May be repeated for credit. Occasional. M&S fee: $5.00

ART 4173 CAH-ART 3(3,0)
The Artist Book: PR: ART 2201C and ART 2203C. Course will explore the definition of book from traditional hand-made to contemporary artist book. Students will redefine its elements, structure and content and be exposed to binding and printing methods in book production. Fall, Even Spring. M&S fee: $25.00

ART 4226C CAH-ART 3(3,3)

ART 4320C CAH-ART 3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-ART 3(2,4)
Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall, Spring. M&S fee: $30.00

ART 4505C CAH-ART 3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee: $15.00

ART 4634C CAH-ART 3(3,1)

ART 4710C CAH-ART 3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $50.00

ART 4765C CAH-ART 3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Advanced techniques in working with ceramic materials. M&S fee: $35.00

ART 4780C CAH-ART 3(2,4)

ART 4793C CAH-ART 3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring and Summer. M&S fee: $34.99

ART 4786C CAH-ART 3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. Occasional. M&S fee: $35.00

ART 4935 CAH-ART 3(3,1)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3210C, and must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee: $15.00

ART 4945 CAH-ART 6(0,6)
C.R.E.A.T. Project: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, FIL 4288C, and a satisfactory portfolio review or C.I. A practicum in which specialists from Art, Film, Computer Science and other humanities design and develop a project in partnership with industry. Occasional.

ART 4954 CAH-ART 3(3,0)
Scotland Study Abroad: PR: ART 2200, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-ART 3(3,0)

ART 5090C CAH-ART 3(2,4)
Multi-Cultural Crafts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation of and the production of Western and Non-Western art forms. Occasional.

ART 5280C CAH-ART 3(3,3)
Serial Content & Classic Form I: PR: Admission to MFA. Studio course exploring serial image history, pictographs, alphabet development, typographic design, and the computer as a sequenced design concept and tool. Fall.

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.

ART 5670C CAH-ART 3(2,4)

ART 5694 CAH-ART 3(3,0)
Crosscultural Electronic Art & 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 I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring.

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, wayfinding, electronic interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. Fall.

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 prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $15.00

ART 5910 CAH-ART 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be repeated for credit. (2 times). Fall, Spring.

ART 5934 CAH-ART 3(3,0)
Concepts of Contemporary Art: PR: Graduate standing or C.I. Current issues in contemporary international art. Graded SU. Occasional.

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)

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 4404 CAH-HIST 3(3,0) China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.

ASH 4442 CAH-HIST 3(3,0) Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0) The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0) Colloquium in Modern China: PR: Graduate status or senior standing or C.I. This course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

AST 2002 COS-PHYS 3(3,0) Astrometry: Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.


AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. Even Fall.


AST 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 4142 COS-PHYS 3(3,0) Asteroids, Comets, and Meteorites: PR: AST 2002 or AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.

AST 4501 COS-PHYS 3(3,0) Celestial Mechanics: PR: PHY 2048, AST 2002. The orbital motions of celestial bodies, including orbit calculation, perturbation theory, and Hohmann transfer orbits. Occasional.

AST 5165 COS-PHYS 3(3,0) Planetary Astrophysics: PR: Mechanics PHY 3220 and Modern Physics 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.


BCH 4054 COS-CHEM 3(3,0) Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4103L COS-CHEM 2(0,6) Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00

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: C.I. Historical and modern uses of plants economically important in various cultures. Designed for majors and non-majors. 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 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 4503 COS-BIOL 3(3,0) Plant Physiology: PR: PCB 1023 or C.I. A Study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4695C COS-BIOL 4(3,3) Conservation and Management of Native Plants: PR: BCH 4053, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.


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) Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 1050L COS-BIOL 1(0,2)  
Biological Experimentation: 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 course. Basic principles and terminology of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee: $24.00

BSC 2010H COS-BIOL 4(3,3)  
General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and terminology 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 2010C 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 BCBS-M&M 3(3,0)  

BSC 2403C BCBS-M&M 4(3,4)  
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 2404H BCBS-M&M 4(3,4)  
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular experimentation. Honors level content. Fall.

BSC 2424 BCBS-M&M 3(3,0)  
Biological Experimentation: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 2949 COS-BIOL 0(0,8)  

BSC 4101 COS-BIOL 3(3,0)  

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(4,0,12)  
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 laboratory. May be repeated for credit, up to a maximum of 4 credits total. Graded SU. 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 4937 COS-BIOL 2(0,2)  
Instructional Experiences in Undergraduate Biology: PR: PCB 4723, 150-158 hours in biology and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in university biology labs. May be repeated for credit. Graded SU. Fall, 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 5817 COS-BIOL 3(3,0)  
Biology for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the Exam, and develop a representative program. Occasional.

BTE 4410 ED-TLP 3(3,0)  
Course Construction in Business Education: PR: EVT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational framework. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3130 BA-ACCT 3(3,0)  
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 3(3,0)  
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor; permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0)  

BUL 5332 BA-ACCT 3(3,0)  
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation. BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0)  
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4453 ECS-CS 3(3,0)  
Robot Vision: PR: COP 3530C and MAC 2312, or C.I. Pin hole camera and eye, perspective and orthographic projections, the processing of edges, regions, motion, shading, texture, object, robot arm usage. Fall, Spring.

CAP 4630 ECS-CS 3(3,0)  

CAP 4720 ECS-CS 3(3,0)  
Computer Graphics: PR: COP 3530C and COT 3960 and MAC 2314 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curved and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-CS 3(3,0)  
Multimedia Compression on the Internet: PR: seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5415 ECS-CS 3(3,0)  
Computer Vision: PR: COP 3530C, 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 5512 ECS-CS 3(3,0)  
Evolutionary Computation: 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)  

CAP 5636 ECS-CS 3(3,0)  
Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems;" memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3,0)  
Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphics systems. Spring.

CBE 3003 COS-PSYCH 3(3,0)  
### CCE 4003 ECS-CEE 3(3,0)

### CCE 4004 ECS-CEE 3(3,0)
Construction Methods: PR: CES 4100C. Construction project evaluation principles along with construction methods for civil and structural systems. Spring.

### CCE 4031 ECS-CEE 3(3,0)

### CCE 4034 ECS-CEE 3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003. This course covers construction project estimating and bidding and the preparation of construction schedules. This is followed by in-depth coverage of time and cost control. Fall.

### CCE 4402 ECS-CEE 3(3,0)
Construction Equipment and Productivity: PR: CCE 4003, CWR 3201. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, and discrete event simulation. Spring.

### CCE 4810C ECS-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, and control. Spring.

### CCE 4813 ECS-CEE 4(4,0)

### CCE 5006 ECS-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 scheduling, drawing and specifications. Research paper required. Occasional.

### CCE 5036 ECS-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 ECS-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 5406 ECS-CEE 3(3,0)

### CCE 5815 ECS-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-CJ/LS 3(3,0)
Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

### CCJ 3024 HPA-CJ/LS 3(3,0)
Criminal Justice System: An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.

### CCJ 3058 HPA-CJ/LS 3(3,0)

### CCJ 3450 HPA-CJ/LS 3(3,0)
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

### CCJ 3451 HPA-CJ/LS 3(3,0)
Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

### CCJ 3483 HPA-CJ/LS 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 3520 HPA-CJ/LS 3(3,0)
Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.

### CCJ 3667 HPA-CJ/LS 3(3,0)
Victims and the Criminal Justice System: PR: CCJ 3024. Course examines victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim-offender programs. Occasional.

### CCJ 4035 HPA-CJ/LS 3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

### CCJ 4076 HPA-CJ/LS 3(3,0)
Crime Analysis B: PR: CJ 4545, CJ 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

### CCJ 4195 HPA-CJ/LS 3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 (Criminal Justice System) and CJ Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

### CCJ 4296 HPA-CJ/LS 3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

### CCJ 4361 HPA-CJ/LS 3(3,0)
Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

### CCJ 4454 HPA-CJ/LS 3(3,0)
Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

### CCJ 4459 HPA-CJ/LS 3(3,0)
Justice Agency Operations: PR: CCJ 3024 and CCJ 3450 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

### CCJ 4463 HPA-CJ/LS 3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course covers the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

### CCJ 4484 HPA-CJ/LS 3(3,0)

### CCJ 4486 HPA-CJ/LS 3(3,0)
Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

### CCJ 4616 HPA-CJ/LS 3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

### CCJ 4641 HPA-CJ/LS 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 4644 HPA-CJ/LS 3(3,0)

### CCJ 4651 HPA-CJ/LS 3(3,0)
Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

### CCJ 4661 HPA-CJ/LS 3(3,0)
Terrorism: PR: CCJ 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime: This course covers women in criminal justice and offenders as prisoners, as well as crime victims and professionals working in the system.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Study of women and their role in the criminal justice system, focusing on victimization, incarceration, and reentry. Course may be repeated for credit (2 times).</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System: PR: CCJ 3024. Study of the nature and causes of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Study of domestic violence and its impact on the criminal justice system. Course may be repeated for credit (2 times).</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice System: PR: CCJ 3024. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses.</td>
<td>3(3,0)</td>
<td>Odd Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (3 times).</td>
</tr>
<tr>
<td>CCJ 4701</td>
<td>Research Methods in Criminal Justice: Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 4934</td>
<td>Emergent Criminal Justice Issues: PR: CCJ 3024, CCJ 5617, or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 5015</td>
<td>The Nature of Crime: This course provides an overview of major dimensions of crime in the U.S.: epidemology of crime, costs of crime, and typologies of crime and criminals.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 5304</td>
<td>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.</td>
<td>6(6,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 5573</td>
<td>Data Management Systems for Crime Analysis: PR: graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 5605</td>
<td>Foundations of Law Enforcement: PR: C.I. Examines police role in modern society and law enforcement policy.</td>
<td>3(3,0)</td>
<td>Occasional</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CCJ 5406</td>
<td>Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CDA 4150H</td>
<td>Honors Computer Architecture: PR: Permission of Honors and COP 3402 and CDA 3103C. Same as CDA 4150 with Honors level content.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CDA 4506C</td>
<td>Design and Implementation of Computer Communication Networks: PR: COP 3502C, MAD 2104 or COT 3100C. Data communication networking technologies (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), protocols (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CDA 4527</td>
<td>Analysis of Computer Communication Networks: PR: COT 3100C, STA 2023, MAD 3201, Network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
<tr>
<td>CDA 5106</td>
<td>Advanced Computer Architecture I: PR: CDA 4150. Instruction set architectures, processor implementation, memory hierarchy, pipelining, computer arithmetic, vector processing, and I/O.</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
<td>Vernon. Course may be repeated for credit (occasional).</td>
</tr>
</tbody>
</table>
CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CES 4100C ECS-CEE 4(3,3) Structural Analysis I and Lab: PR: EGN 3331. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods, computer and laboratory exercises on behavior of structures and materials. Fall.

CES 4101 ECS-CEE 3(3,0) Structural Analysis II: PR: CES 4100C. Special structures; introduction to matrix structural analysis, dynamic loads including wind and earthquake. Occasional.

CES 4605 ECS-CEE 3(3,0) Steel Structures: PR: CES 4100C. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.


CES 4702 ECS-CEE 3(3,0) Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Spring.

CES 4709C ECS-CEE 3(2,2) Concrete Design: PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee: $15.00.

CES 5325 ECS-CEE 3(3,0) Bridge Engineering: PR: CES 4605, CES 4702. Structural systems for bridges, loading analysis by influence lines, slab and girder bridges, composite design, prestressed concrete, rating of existing bridges, specifications and economic factors. Occasional.

CES 5606 ECS-CEE 3(3,0) Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.

CES 5706 ECS-CEE 3(3,0) Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CES 5821 ECS-CEE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.


CET 2364 ECS-ENT 3(3,0) Systems Applications in C: PR: MAC 1105. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. May be repeated for credit. Fall, Spring.

CET 3010 ECS-ENT 3(3,0) Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, Information theory, transmission and storage technology, and communications. Fall, Spring.


CET 3198C ECS-ENT 3(3,2) Digital Systems: PR: DC Circuits and Digital Circuits 1. 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 3323C 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 3383 ECS-ENT 3(3,0) Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (C++) to implement system programs. May be repeated for credit. Spring.

CET 3503 ECS-ENT 3(3,0) Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 3529 ECS-ENT 3(3,0) Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3752 ECS-ENT 3(3,0) Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-ENT 3(2,4) Microprocessor Electronics II: PR: Digital Circuits I and CET 2123C. The MC68000 Software architecture 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 and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALs, PLDs, and FPGA's. Occasional.


CET 4427 ECS-ENT 3(3,0) Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429 ECS-ENT 3(3,0) Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchal database system. Programming project is required. May be repeated for credit. Spring.


CET 4483 ECS-ENT 3(3,0) Intro to Local Area Network Technology: PR: EET 3085C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.

CET 4505 ECS-ENT 3(3,0) Applied Operating Systems: 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 minis, mainframes, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583 ECS-ENT 3(3,0) Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584 ECS-ENT 3(3,0) Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.


CET 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 communications. Occasional.
UCF Courses and Descriptions

CET 4749 ECS-ENT 3(3,0)  
Wide Area Networks II: PR: CET 3752 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)  

CET 4882 ECS-ENT 3(3,0)  

CET 4884 ECS-ENT 3(3,0)  

CET 4885 ECS-ENT 3(3,0)  

CET 4889 ECS-ENT 3(3,0)  

CET 4915C ECS-ENT 3(1,4)  
Senior Design Project: PR: Computer, Electronics, or Information Systems Engineering Technology senior within 18 semester hours of graduation. Supervised individual or group projects involving project definition, planning, design, development, testing and evaluation. Progress reports and final report are required. Occasional.

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.

CGN 3501C ECS-CEE 3(2,3)  
Civil Engineering Materials: PR: C.I. The characterization of materials used in civil engineering works to include concrete, soils, bituminous, polymers and composite materials. Occasional.

CGN 4300  
Civil Engineering Systems: PR: EGN 3613; MAC 2313; STA 3002. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGN 4600  
Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Occasional.

CGN 4808C ECS-CEE 3(2,2)  
Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CES 4508C, CES 4709C, CWR 4812C, ENV 4562C, ECG 4801C, or CES 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Occasional.

CGN 5320C ECS-CEE 3(2,2)  

CGN 5504C ECS-CEE 3(2,2)  
Civil Engineering Materials: PR: EGN 3355, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-CEE 3(2,2)  

CGS 1060C ECS-CS 3(3,0)  
Introduction to Computer Science: History, typical computer, number systems, 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)  
Fundamentals of Business: PR: Computer 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 2515 ECS-CS 3(3,0)  
Spreadsheet Concepts: PR: CGS 1060C. Advanced techniques of spreadsheets, charts, macros, objects, database features and data analysis tools. Occasional.

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 3285 ECS-CS 3(3,0)  

CGS 3763 ECS-CS 3(3,0)  

CGS 5131 ECS-CS 3(3,0)  

CGS 5132 ECS-CS 3(3,0)  

CHI 1120 CAH-LANG 4(4,1)  
Elementary Chinese Language and Civilization I: PR: CET 1120 or equivalent.  
Chinese culture through the major language skills: listening, speaking, reading and writing. Fall.

CHI 1121 CAH-LANG 4(4,1)  
Elementary Chinese Language and Civilization II: PR: CHI 1120 or equivalent. Continuation of CHI 1120. Spring.

CHI 1140H 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 1141H CAH-LANG 4(4,0)  

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. Fall, Spring. M&S fee: $45.00

CHM 2045C COS-CHEM 3(4,3)  
Chemistry Fundamentals I: PR: High school chemistry or CHM 1032. Basic physical theory of chemical reactivity, atomic structure, chemical bonding, periodicity, stoichiometry, equilibrium, thermodynamics, and kinetics. The “NC” grading policy applies to this course. Fall, Spring. M&S fee: $25.00
<table>
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<tr>
<td>CHM 2045H</td>
<td>COS-CHEM</td>
<td>4(3,3)</td>
<td>Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Same as CHM 2045C with honors-level content. Fall. Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Chemistry Fundamentals II: PR: &quot;C&quot; grade or better in CHM 2045C. Continuation of CHM 2045C. Spring.</td>
</tr>
<tr>
<td>CHM 2046H</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046 with honors-level content. Spring.</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>COS-CHEM</td>
<td>1(0,3)</td>
<td>Chemistry Fundamentals Lab: PR: CHM 2045H and CR: CHM 2046. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry with honors-level content. Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>CHM 2205</td>
<td>COS-CHEM</td>
<td>5(5,0)</td>
<td>Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Organic Chemistry II: PR: CHM 2210. Fall. Spring.</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>COS-CHEM</td>
<td>2(0,6)</td>
<td>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. Fall. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>COS-CHEM</td>
<td>1(0,3)</td>
<td>Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L. Experimental exercises of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. Occasional. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>COS-CHEM</td>
<td>2(0,6)</td>
<td>Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>COS-CHEM</td>
<td>4(3,1)</td>
<td>Physical Chemistry I: PR: CHM 2206, PHY 2049, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. Spring.</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>COS-CHEM</td>
<td>2(0,6)</td>
<td>Physical Chemistry Laboratory: PR: CHM 3210 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&amp;S fee: $41.00</td>
</tr>
<tr>
<td>CHM 3412</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Applied Physical Chemistry: PR: PHY 2049 and PHY 2049L and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.</td>
</tr>
<tr>
<td>CHM 4130C</td>
<td>COS-CHEM</td>
<td>4(2,6)</td>
<td>Advanced Analytical Laboratory Technique: PR: CHM 2111, CHM 3120 (with a minimum grade of &quot;C&quot; or 2.0) and CHM 3411. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Occasional.</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>COS-CHEM</td>
<td>2(0,6)</td>
<td>Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall.</td>
</tr>
<tr>
<td>CHM 4914C</td>
<td>COS-CHEM</td>
<td>1(1,1)</td>
<td>Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>COS-CHEM</td>
<td>1(1,0)</td>
<td>Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4914C. A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Applied Molecular Spectroscopy: PR: CHM 3210 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.</td>
</tr>
<tr>
<td>CHM 5305</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>COS-CHEM</td>
<td>3(1,5)</td>
<td>Techniques in Polymer Science: PR: CHM 2211 and CHM 3410. Advanced undergraduate seminars on polymer characterization and methods used to process modern instrumentation. Odd Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHM 5580</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Advanced Physical Chemistry: PR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.</td>
</tr>
<tr>
<td>CHM 5715C</td>
<td>COS-CHEM</td>
<td>3(2,3)</td>
<td>Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>COS-CHEM</td>
<td>4(3,1)</td>
<td>Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, electrochemistry, and thermodynamics. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>CHS 3501</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Introduction to Forensic Science: PR: &quot;C&quot; grade or better in CHM 2046 &amp; L. or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crime lab). Spring.</td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>COS-CHEM</td>
<td>4(2,6)</td>
<td>Forensic Microscopy: PR: &quot;C&quot; grade or better in CHM 2046 &amp; L &amp; PHY 2054C and CHS 3501. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHS 3511C</td>
<td>COS-CHEM</td>
<td>4(2,6)</td>
<td>Trace Evidence: PR: &quot;C&quot; grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHS 3514C</td>
<td>COS-CHEM</td>
<td>3(2,3)</td>
<td>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.</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>COS-CHEM</td>
<td>4(2,6)</td>
<td>Forensic Analysis of Controlled Substances: PR: &quot;C&quot; grade or better in CHM 3210, CHM 3410, CHM 2211 &amp; L and CHS 3505C. The study of the presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CHS 3533C</td>
<td>COS-CHEM</td>
<td>3(2,3)</td>
<td>Forensic Biochemistry I: PR: &quot;C&quot; or better in BSC 2010C, PCB 3063 &amp; L and PCB 3253 &amp; L. Introduction to the concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall. M&amp;S fee: $30.00</td>
</tr>
</tbody>
</table>
CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: 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 3530C, CHS 3533C and CHS 4506C. 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 3533C. 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 3530C, and CHS 3533C. Concepts and principles 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 3540C or C.I. An advanced lecture/lab course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4547C COS-CHEM 3(2,3)

CHS 4591 COS-CHEM 4(0,40)
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. This course may be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(3,0)
Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0)

CHS 5503 COS-CHEM 3(3,0)
Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

CHS 5518 COS-CHEM 3(3,0)
The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0)

CIS 3360 ECS-CS 3(3,0)

CIS 3362 ECS-CS 3(3,0)

CIS 4361 ECS-CS 3(3,0)
Secure Operating Systems and Administration: PR: COP 4600 or EEL 4862 or CET 4505. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4363 ECS-CS 3(3,0)

CIS 4615 ECS-CS 3(3,0)

CJC 3101 HPA-CJ/LS 3(3,0)

CJC 3134 HPA-CJ/LS 3(3,0)
Prisons and jails: PR: CCJ 3021. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.

CJC 3164 HPA-CJ/LS 3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3010. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ/LS 3(3,0)

CJC 5020 HPA-CJ/LS 3(3,0)

CJE 3001 HPA-CJ/LS 3(3,0)
Careers in Criminal Justice: PR: CCJ 3024. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the Criminal Justice system. Fall, Spring.

CJE 3444 HPA-CJ/LS 3(3,0)

CJE 3662 HPA-CJ/LS 3(3,0)
CJ Information Technology and Data Management: PR: CCJ 3004. Designed to familiarize with concepts of databases, bases, and applicability to crime analysis. Occasional.

CJE 4014 HPA-CJ/LS 3(3,0)
Police and Society: PR: CCJ 3004. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ/LS 4(4,0)
Comparative Justice Systems: PR: CCJ 3024 and CLS 3530 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4410 HPA-CJ/LS 3(3,0)
Community Policing: PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4630 HPA-CJ/LS 3(3,0)

CJE 4654 HPA-CJ/LS 3(3,0)

CJE 4663 HPA-CJ/LS 3(3,0)
Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.
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 2041C. 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 1600. 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)

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1600 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 2200 ECS-CS 3(3,0)
Computer Programming: PR: College algebra and trigonometry or equivalent. Problem definitions, algorithms, flow charts, digital computer programming using a higher level language (FORTRAN). Not open to Computer Science Majors. Occasional.

COP 2500C ECS-CS 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis, and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3,0)
Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. Fall, Spring.

COP 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 3346 ECS-CS 3(3,0)

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 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0)

COP 3503C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COT 3100C. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 3(3,0)
Honors Computer Science II: PR: Permission of Honors and COP 3502H. Continuation of Honors Computer Science I. Object oriented design, data structures, traversal algorithms and program correctness. Occasional.

COP 3530C ECS-CS 3(3,0)

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4020H ECS-CS 3(3,0)
Honors Programming Languages I: PR: Consent of Honors and COP 3503C. Deeper understanding of the paradigms and fundamental concepts of programming languages, such as scope, binding, abstraction, encapsulation, typing, etc. Object-oriented, functional and logic programming paradigms will be introduced through programming languages. With Honors content. Occasional.

COP 4331C ECS-CS 4(3,1)
Processes for Object-Oriented Software Development: PR: COT 3960 (Foundation Exam) and COP 3503C. Concepts, principles, processes and methods for developing large software systems featuring a team project in discrete-event simulation using object-oriented design in UML and implementation in C++. Occasional.

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Even Spring.

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 4521 ECS-CS 3(3,0)

COP 4600 ECS-CS 3(3,0)
Operating Systems: PR: COP 3402 and COP 3503C and COP 3700. The goal of the course is to teach the function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4600H ECS-CS 3(3,0)
Honors Operating Systems: PR: Permission of Honors and COP 3402 and COP 3503C. Same as COP 4600 with Honors level content. Occasional.

COP 4610L ECS-CS 3(0,3)
Operating Systems Laboratory: PR: COP 3503C. CR: EEL 4682. Exercises in the configuration, development, management and analysis of operating systems; OS kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COP 4610L, CET 4741L. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 5021 ECS-CS 3(3,0)

COP 5537 ECS-CS 3(3,0)
Network Optimization: Recent advances in the theory and computational techniques for optimal design and analysis of large networks for computers, communications, transport and web and other applications. Fall.

COP 5611 ECS-CS 3(3,0)

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, multibase database systems. Occasional.

COT 3100C ECS-CS 3(3,1)
Introduction to Discrete Structures: PR: MAC 1105, MAC 1114, Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. Fall, Spring.

COT 3960  ECS-CS  0(1,0)  CS Foundation Exam: PR: COP 3502C AND COT 3100C. Foundation examination for computer science majors. Required before taking COP 3530C, and COP 3402C and other 4000 level courses. Graded SU. Occasional.


COT 4210  ECS-CS  3(3,0)  Discrete Structures II: PR: COP 3530C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4810  ECS-CS  3(3,0)  Topics in Computer Science: PR: COP 3402 and COP 3530C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310  ECS-CS  3(3,0)  Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, LR(k) grammars. Fall, Spring.

COT 5405  ECS-CS  3(3,0)  Design and Analysis of Algorithms: PR: COT 4210 and COT 4110. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. Fall, Spring.

COT 5507  ECS-CS  3(3,0)  Computational Methods/Applications: PR: COT 4500. Computational solution techniques for algebraic equations, ODE and PDE Models of applications selected from science, engineering, applied mathematics, and computer science. Occasional.

COT 5510  ECS-CS  3(3,0)  Computational Methods/Linear Systems: PR: COT 4500 and MAS 3106. Mathematical models for linear systems, linear programming, the simplex method, integer and mixed-integer programming, introduction to nonlinear optimization and linearization. Occasional.


CPO 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-1945 era. Odd Spring.

CPO 3132  COS-POLS  3(3,0)  Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403  COS-POLS  3(3,0)  Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Even Fall, Spring.

CPO 3403H  COS-POLS  3(3,0)  Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614  COS-POLS  3(3,0)  Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4047  COS-POLS  3(3,0)  Politics of the NAFTA Region: PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


CPO 4074  COS-POLS  3(3,0)  Comparative Judicial Process: PR: POS 2041. Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784  COS-POLS  3(3,0)  Political and Economic Inequality in Comparative Perspective: PR: POS 2041. Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 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 2100  CAH-ENG  3(3,0)  Fiction Writing: PR: CRW 3013. English majors in creative writing specialize in fiction writing; advanced group analysis and criticism of work produced by individual students. Occasional.

CRW 2300  CAH-ENG  3(3,0)  Theory and Practice of Poetry Writing: PR: CRW 3013, English or English Education major. Jr. standing, or C.I. English majors in creative writing specialize in the theory and practice of verse; group analysis and criticism. Occasional.

CRW 3010H  CAH-ENG  3(3,0)  Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original work by peers and critical reading of established authors. Occasional.

CRW 3011  CAH-ENG  3(3,0)  Creative Writing for Non-Majors: PR: ENC 1102. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013  CAH-ENG  3(3,0)  Creative Writing for English Majors: PR: English or English Education major, Jr. standing, or C.I., and C (2.0) or better required in ENC 1102. Not open to students with credit in CRW 3011. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.
CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English or English Ed major or C.I., and C (2.0) or better required in CRW 2100 and CRW 3013. An intermediate level poetry workshop for English majors: group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: Grade of C (2.0) or better required in ENC 1102 and CRW 2300 or CRW 3013. 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: Grade of C (2.0) or better required in ENC 1102. Intensive study of the structural characteristics of English, poetic, metrical systems, rhyme, ascension, and poetic rhetorical devices. Occasional.

CRW 3312 CAH-ENG 3(3,0) History of Prose Style: PR: Grade of C (2.0) or better required in ENC 1102. A review of English prose style from 1611 to 1960. Occasional.


CRW 4114 CAH-ENG 3(3,0) Creative Writing Service Learning: PR: Graduate status or senior standing or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 4122 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: Grade of C (2.0) or better required in CRW 3120. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. May be repeated once for credit. Fall, Spring.

CRW 4203C ECE-CEE 3(3,2) Hydraulics: CRW 3201 Continuation of CRW 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. Fall, Spring. M.S. fee: $20.00

CRW 4320 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3310, or CRW 2300. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. May be repeated once for credit. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0) Advanced Scriptwriting Workshop: PR: CRW 3610. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. May be repeated for credit. Occasional.

CRW 4804 CAH-ENG 3(3,0) Writing Scripts: PR: Grade of C (2.0) or better required in CRW 3610 or CRW 3013 or CRW 3310. Critical analysis of film and TV. Fall, Spring.

CRW 5020 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Graduate status or senior standing or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. May be repeated for credit. Occasional.

CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Graduate standing and instructor consent. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be repeated when genre differs. Occasional.

CRW 5932 CAH-ENG 3(2,1) Teaching Creative Writing: PR: Graduate status or senior standing or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: CRW 3013 or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 5949C CAH-ENG 3(2,1) Creative Writing Service Learning: CRW 3013 or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 5998C CAH-ENG 3(2,1) Creative Writing Service Learning: CRW 3013 or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 6020 CAH-ENG 3(3,0) Teaching Creative Writing: PR: Graduate status or senior standing or C.I. Creative writing practicum. May be repeated for credit. Fall study of creative writing of given genre (poetry, short fiction, etc.). May be repeated when genre differs. Occasional.

CRW 6040 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: Grade of C (2.0) or better required in ENC 1102 and CRW 2300 or CRW 3013. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 6110 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: Junior standing, and C (2.0) or better required in ENC 1102 and CRW 2100 or CRW 3013. An intermediate level fiction writing workshop for English majors: group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 6130 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6140 CAH-ENG 3(3,0) Creative Writing Service Learning: CRW 3013 or C.I. Critical analysis of film and TV. Fall, Spring.

CRW 6150 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6160 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6170 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6180 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6190 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6200 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6210 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6220 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6230 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6240 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6250 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6260 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6270 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6280 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6290 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6300 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6310 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 6320 CAH-ENG 3(3,0) Creative Writing: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.
DAA 2571C CAH-THEA 2(2,1) Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 2610 CAH-THEA 3(3,0) Dance Improvisation/Composition I: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Fundamental study and exploration of dance composition. Spring.

DAA 2640 CAH-THEA 3(2,2) Theatre Dance Choreography and Performance: PR: By audition. Students will create and present a piece choreographed and performed by other dancers in concert. May be repeated for credit. Occasional.

DAA 3102C CAH-THEA 2(2,1) Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2571C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3202C CAH-THEA 2(2,1) Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3502C CAH-THEA 2(2,1) Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DDA 2571C. Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2,1) Tap Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DDA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3645 CAH-THEA 2(0, VAR) Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DDA 2100C. Student practice in choreographing a concert dance work for public performance. May be repeated for credit 4 times. Spring.

DAA 3680 CAH-THEA 1(0,10) Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DDA 2200C. Student performance in a concert dance work. Students must be registered in a dance technique class. May be repeated for credit. Spring.

DAE 3370 ED-TLP 3(1,2) Dance and Rhythms: The development of skill proficiency and instructional strategies in rhythmics and dance techniques, and fundamental movement patterns for grades K-12. Occasional.

DAN 3134 CAH-THEA 3(3,0) Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the seventeenth century. Fall.


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) Psychology of Exceptional Children: PR: PSY 3202. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. Occasional.

DEP 3464 COS-PSYCH 3(3,0) Psychology of Aging: PR: PSY 3202. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0) Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-DIG 3(3,0) Introduction to Digital Media: CR: ENC 1101. The principles, development and prospects for Digital Media, with a focus on the Internet. Students learn to build Web pages as their principal expressive medium in the course. Extensive reading, Internet and library research, several short papers and a team project are required. This course serves as the gateway for the Digital Media program. Occasional.


DIG 3035L CAH-DIG 1(0,3) Digital Media Service I: PR: DIG 325 and a minimum grade of "B" (3.0) or better in DIG 3001. Participation in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Fall, Spring.

DIG 3135C CAH-DIG 3(2,1) Digital Imagery: PR: DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Technical principles of digital photography and scanned image capture for use in video games, internet and interactive software. Project oriented. Even Fall, Odd Spring.


DIG 3253 CAH-DIG 3(3,0) Digital Media Audio: PR: DIG 3001. Methodology and implementation of sound for multimedia systems, including audio recording and MIDI Composition techniques. Fall, Spring.

DIG 3286C CAH-DIG 3(3,0) Assembling Digital Media: PR: DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Assembly and editing of images and sounds for use in interactive media. Project oriented. Fall, Spring.

DIG 3355 CAH-DIG 3(3,0) Artificial Environments and Effects: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Design, 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. Odd Fall.

DIG 3362 CAH-DIG 3(3,0) Artificial Characters: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Processes, techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Odd Fall.

DIG 3430 CAH-DIG 3(3,0) Visual Storytelling and Visual Development: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Processes and techniques to transform story concepts into a producible visual experience. Odd Fall.

DIG 3450C CAH-DIG 3(3,0) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3480C CAH-DIG 4(2,2) Computer as a Medium: PR: DIG 2000. Not for credit for those who have had ART 2300C. Drawing of objects using the computer. Students will use a stylus with Painter, Photoshop and Illustrator software to draw from still life arrangements. Occasional.

DIG 3485 CAH-DIG 3(3,0) Visual Language of the Moving Image: PR: DIG 3001 or FIL 1007, and a minimum grade of "B" (3.0) or better in DIG 3001 and C.I. Digital Media, Film or Animation major. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. Fall, Spring.

DIG 3524 CAH-DIG 3(3,0) The Production Process: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Production in a visual medium from narrative idea to finished artifact. Odd Fall.

DIG 3525 CAH-DIG 3(3,0) Digital Media Production I: PR: DIG 3000, GRA 2101C and a minimum grade of "B" (3.0) or better in DIG 3001, Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 3563 CAH-DIG 3(3,0) Information Management and Authorship: PR: DIG 3001. Information management relating to creation, storage, retrieval of assets and authoring of databases and file types. Fall, Spring.

DIG 3811 CAH-DIG 3(3,0) User-Centered Design: PR: B or better in DIG 3001. The creation of media software and other human-system products by applying knowledge about cognition and behavior. Fall, Spring.

DIG 3821 CAH-DIG 3(3,0) Creative Digital Problem Solving: PR: Minimum grade of "B" (3.0) or better in DIG 3001. Techniques for brainstorming to identify key problems and to discover creative solutions in the design of digital media and systems. Improvisational scenario development and analyses, case-based problem description techniques. Fall, Spring.
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tbody>
<tr>
<td>DIG 3855</td>
<td>CAH-DIG 3(3,0)</td>
<td>Converging Media: PR: FIL 3625; Film or Digital Media major, and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Various technologies and strategies for creative storytelling on the Internet. Even Spring.</td>
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<tr>
<td>DIG 4204</td>
<td>CAH-DIG 3(3,0)</td>
<td>Generating and Manipulating Digital Imagery: PR: Grade of &quot;A&quot; in DIG 3485 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Core techniques for creating and manipulating second and third digital representations. Fall.</td>
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<tr>
<td>DIG 4206C</td>
<td>CAH-DIG 4(3,3)</td>
<td>New Imagery in Motion Workshop: PR: DIG 3355 and successful portfolio review, or C.I. Techniques and mechanics of new approaches to visual communication, new narrative structures, new and emerging media. Even Fall, Odd Spring.</td>
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<tr>
<td>DIG 4323</td>
<td>CAH-DIG 3(3,0)</td>
<td>Modeling for Visual Language: PR: DIG 4780 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Constructing organic 3D models for non-realtime applications, operating high performance CAD systems, and using higher-order modeling techniques. Introduction to rigging and animation controls, materials, lighting and rendering. Project oriented. Fall, Even Spring.</td>
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<tr>
<td>DIG 4324</td>
<td>CAH-DIG 3(3,0)</td>
<td>Modeling for Realtime Systems II: PR: DIG 4780 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Advanced techniques for character animation, texture, lighting, rendering. Project oriented. Fall, Odd Spring.</td>
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<tr>
<td>DIG 4325C</td>
<td>CAH-DIG 4(3,3)</td>
<td>Look Modeling Workshop: PR: COT 3960 and (DIG 3352 or DIG 3355) and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Even Fall, Odd Spring.</td>
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<tr>
<td>DIG 4326C</td>
<td>CAH-DIG 4(3,3)</td>
<td>Geometrical Modeling Workshop: PR: COT 3960 and (DIG 3362 or DIG 3355) and successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations artificial characters and their environments, introduction to procedural models. Odd Spring.</td>
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<tr>
<td>DIG 4359C</td>
<td>CAH-DIG 4(3,3)</td>
<td>Artificial Environments and Effects Workshop: PR: DIG 3355 and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositional, image processing, visual style, visual continuity. Odd Spring.</td>
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<tr>
<td>DIG 4369C</td>
<td>CAH-DIG 4(3,3)</td>
<td>Artificial Characters Workshop: PR: DIG 3362 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. Odd Spring.</td>
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<tr>
<td>DIG 4451C</td>
<td>CAH-DIG 4(3,3)</td>
<td>Visual Storytelling and Visual Development Workshop: PR: DIG 3490 and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.</td>
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<tr>
<td>DIG 4455C</td>
<td>CAH-DIG 3(3,0)</td>
<td>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. Even Fall, Spring.</td>
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<tr>
<td>DIG 4522L</td>
<td>CAH-DIG 1(0,3)</td>
<td>Digital Media Service I: PR: DIG 3035L and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Continued participation in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Fall, Spring.</td>
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<tr>
<td>DIG 4523L</td>
<td>CAH-DIG 1(0,3)</td>
<td>Digital Media Service II: PR: DIG 4522L and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.</td>
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<tr>
<td>DIG 4524L</td>
<td>CAH-DIG 3(0,3)</td>
<td>Digital Media Project I: PR: DIG 3252 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. 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.</td>
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<tr>
<td>DIG 4526C</td>
<td>CAH-DIG 3(2,2)</td>
<td>Digital Media Production II: PR: DIG 3525 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Management and execution of large media projects, using structured methods and tools learned in Digital Media Production I. Fall, Even Spring.</td>
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<tr>
<td>DIG 4546</td>
<td>CAH-DIG 3(3,0)</td>
<td>Autonomous Media: PR: IDS 3701C and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Applications of concepts derived from research on artificial intelligence, to media and the Internet. Project-based. Occasional.</td>
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<tr>
<td>DIG 4564</td>
<td>CAH-DIG 3(3,0)</td>
<td>Creative Digital Devices: PR: IDS 3701C and ART 2210C and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. The physical construction and computer control of electro-mechanical devices, and the use of software libraries for controlling tested hardware, for entertainment and creative applications. Occasional.</td>
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<tr>
<td>DIG 4645</td>
<td>ECS-CS 3(3,0)</td>
<td>Digital Media: PR: COP 3530C 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.</td>
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<tr>
<td>DIG 4713C</td>
<td>CAH-DIG 3(2,2)</td>
<td>Game Design: PR: DIG 2000 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001 and C.I. Principles of design for interactive games and learning experiences. Psychology of play, storytelling, and character development. Project oriented. Occasional.</td>
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<tr>
<td>DIG 4715C</td>
<td>CAH-DIG 3(2,2)</td>
<td>Game Engines: PR: DIG 2000 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Principles of 3D interactive graphics and simulation as used in &quot;game engines,&quot; software systems for building Internet or PC-based shared virtual worlds. Project oriented. Fall, Spring.</td>
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<tr>
<td>DIG 4716L</td>
<td>CAH-DIG 3(0,3)</td>
<td>Internet Interaction: PR: DIG 2000 or CGS 3175 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001 or C.I. Interdisciplinary approach to design and construction of advanced interactive web sites, applying esthetic and scientific principles of user interface design. Project oriented. Fall, Spring.</td>
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<tr>
<td>DIG 4770</td>
<td>ECS-CS 3(0,0)</td>
<td>Builds Virtual Worlds: PR: COP 3530C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented. Occasional.</td>
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<tr>
<td>DIG 4780</td>
<td>CAH-DIG 3(0,3)</td>
<td>Modeling for Realtime Graphics: PR: DIG 4770, GRA 2101C or other computer graphics experience and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001 and C.I. Principles of construction of 3D models for realtime applications; use of high performance CAD systems; level of detail management, efficiency vs. visual quality for video games and realtime simulation. Odd Fall, Even Spring.</td>
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<tr>
<td>DIG 4921C</td>
<td>CAH-DIG 3(2,2)</td>
<td>Media for e-Commerce I: PR: DIG 2000 and (COP 2505C or COP 3502C) and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Media in support of electronic commerce on the Internet. Emphasis on the artistic and creative components supporting the business aspects of electronic commerce. Project oriented. Odd Fall, Even Spring.</td>
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<tr>
<td>DIG 4922</td>
<td>CAH-DIG 3(0,3)</td>
<td>Media for e-Commerce II: PR: IDS 4688C and COP 3330 and a minimum grade of &quot;B&quot; (3.0) or better in DIG 3001. Server-side programming in Java to support media-rich E-Commerce applications. Project oriented. Even Spring.</td>
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<tr>
<td>DIG 5136C</td>
<td>CAH-DIG 3(1,3)</td>
<td>Design for Media: PR: Graduate standing and C.I. Theories and practices of interactive design for digital media content. Fall.</td>
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<tr>
<td>DIG 5366</td>
<td>CAH-DIG 3(3,0)</td>
<td>Creating Interactive Characters: PR: Admission to Digital Media M.S. or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.</td>
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<tr>
<td>DIG 5550C</td>
<td>CAH-DIG 3(1,3)</td>
<td>Digital Media Development: PR: DIG 5136C or C.I. Students will begin developing projects specified by design documents from Design for Media course. Odd Fall.</td>
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<tr>
<td>DIG 5551C</td>
<td>CAH-DIG 3(1,3)</td>
<td>Interactive Media Design: PR: DIG 4716L and DIG 5286C or equivalent, or C.I. Interdisciplinary approach to design and construction of advanced interactive media, applying theory, aesthetic, and scientific principles of user interaction. Project and theory-based. Even Spring.</td>
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</table>
EAS 3101 ECS-MMAE 3(3,0) Aerodynamics and Flight Mechanics; airfoil theory; external standing. Fundamental theories of inviscid, incompressible flow; flow over finite wings; viscous boundary layers and applications to the design process. Fall.


EAS 3810C ECS-MMAE 2(1,3) Design of Aerospace Experiments: PR: EAS 3800C and EAS 3101. Extension of EAS 3000C: Design of experiments in aeronautic/aerospace systems with emphasis on project team activity. Spring.

EAS 4105 ECS-MMAE 3(3,0) Flight Mechanics: PR: EAS 3101 and EML 4512C. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. Fall.

EAS 4134 ECS-MMAE 3(3,0) High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3000C. Continuation of EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.


EAS 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. Spring.


EAS 4700C ECS-MMAE 3(1,6) Aerospace Design I: PR: EAS 3610C, CR: EML 4512C. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring.

EAS 4710C ECS-MMAE 3(1,6) Aerospace Design II: PR: EAS 3610C. 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 5302 ECS-MMAE 3(3,0) Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermions, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. Occasional.


EAS 5407 ECS-MMAE 3(3,0) Mechatronics Systems: PR: EML 3804C or EAS 3404C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. Odd Spring.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4134; EAS 4703; EML 4512C; EML 4502C; or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.


ECM 5435 ECS-ECE 3(3,0) Engineering Math Analysis I: PR: MAP 2302. Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus. Fall.

ECM 5741C ECS-ECE 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEL 3342C, EEL 4767C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.
ECO 2023H BA-ECON 3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy: their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. May be repeated for credit up to 3 times. Graded S/U. Fall, Spring.

ECO 3101 BA-ECON 3(3,0)

ECO 3623 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)

ECO 3401H BA-ECON 3(3,0)

ECO 3402 BA-ECON 3(3,0)

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3401 or MAC 2283. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Even Spring.

ECO 3411 BA-ECON 3(3,0)

ECO 3411H BA-ECON 3(3,0)

ECO 3703 BA-ECON 3(3,0)
International Trade: PR: ECO 2013 and ECO 2023. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy. Fall.
EDF 2283 ED-ES 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EDF 3120 ED-ES 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDF 3601 ED-ES 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 3740 ED-ES 3(3,0) 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.

EDF 4214 ED-ES 3(3,0) Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDF 4282 ED-ERTL 3(3,0) Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EDF 4466 ED-ERTL 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Graded SU. Occasional.

EDF 4603 ED-ES 3(3,0) Analysis of Critical Issues in Education: PR: EDF 4214 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 5245 ED-ES 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-ES 3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-ES 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2701 ED-ES 3(3,0) Teaching Diverse Populations: 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.

EDG 4323 ED-ES 3(3,0) Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. Fall, Spring.

EDG 4941 ED-ES 1-8(0-8) Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-ES 3(3,0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 5745 ED-TLP 3(3,0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-ES 2-8(0-11) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MMAE 1(1,0) Teaching Methods in Engineering: PR: graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TAs and help students deliver better technical presentations. Occasional.

EDS 5356 ED-ERTL 3(2,1) Supervision of Professional Laboratory Experiences: PR: C.I. Study of the undergraduate professional laboratory experiences program, with emphasis on the role and responsibilities of the Teacher Education Associate or Supervising Teacher. Occasional.


EEC 3268 ED-CFCS 3(3,0) Play Development: Explores play development, facilitation, intervention and assessment. Designing play environments is emphasized. Fall.

EEC 3301 ED-CFCS 3(3,0) Active Learning Teaching Strategies: Studies an integrated developmental-interactionist approach to curriculum planning and design. Equipment selection, room arrangement, daily schedules and active learning teaching strategies are emphasized. Occasional.


EEC 3700 ED-CFCS 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implications for curriculum development. Occasional.

EEC 3940 ED-CFCS 3(0,3) Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

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 knowledge 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 SU. Occasional.
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EEC 5205  ED-CFCS  3(3,0)  Programs and Trends in Early Childhood Education:  PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

EEC 5206  ED-CFCS  3(3,0)  Organization of Instruction in Early Childhood Education:  PR: Regular Certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

EEC 5208  ED-CFCS  3(3,0)  Creative Activities in Early Childhood:  PR: Regular Certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

EED 3250  ED-CFCS  3(3,0)  Behavioral Issues of the Emotionally Handicapped:  An introduction to functional schema of the field to include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. Occasional.


EED 4210  ED-CFCS  3(3,0)  Curriculum and Program Adaptation, E.H.:  Development of highly specialized curriculum and identification, evaluation, modification, and use of curriculum materials and programs for students with emotional handicaps. Occasional.

EED 4243  ED-CFCS  3(3,0)  Teaching the Emotionally Handicapped:  Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.

EED 4244  ED-CFCS  2(0,0)  Instructional Strategies and Curriculum for Students with Emotional Handicaps:  PR: EEX 2010. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. Occasional.

EEL 3004  ECS-ECE  3(3,0)  Electrical Networks:  PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: MAP 2302 (to enroll in this course, a C or better for the above courses is required). Analysis and design of linear circuits, transients, ac, analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.

EEL 3041  ECS-ECE  3(3,0)  Circuit Analysis:  PR: PHY 2033. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CPE majors. Fall, Spring.


EEL 3306  ECS-ECE  3(3,0)  Semiconductor Devices I:  PR: EEL 3004. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEL 3307C  ECS-ECE  4(3,0)  Electronics I:  PR: EEL 3123C, EEL 3306. Electronic devices, analog electronic circuits, amplifier analysis and design, and frequency effects. Fall. Spring. M&S fee: $15.00

EEL 3342C  ECS-ECE  3(2,3)  Introduction to Digital Circuits and Systems:  PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049 or C.I. (to enroll in this course, a C or better for the above courses is required). Switching theory and devices. Combinational and sequential logic. Design logic using standard components such as ROM, arithmetic units, multiplexers, registers, and counters. Fall, Spring.

EEL 33470  ECS-ECE  3(3,0)  Electromagnetic Fields:  PR: EEL 3004. Electric and magnetic nets and electromagetic waves. Fall, Spring.

EEL 3350  ECS-ECE  3(3,0)  Information Theory:  PR: MAC 2147. Fundamentals of information theory and communication systems. Topics include: the definition of information, band width and frequency spectrum, systems design, filters, modulations, demodulators, antennas, and wireless communications. Not open to EE or CPE majors. Fall, Spring.


EEL 3357  ECS-ECE  3(3,0)  Linear Control Systems:  PR: EEL 3123C. Control theory, control function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEL 33801C  ECS-ECE  3(2,3)  Introduction to Computer Engineering:  PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: EEL 3342C (to enroll in this course, a C or better for the above courses is required). Introduction to the field of computer engineering. Engineering applications of advanced C-language concepts. C++ topics and applications. Basic computer organization. Assembly language programming. Fall, Spring.


EEL 4140C  ECS-ECE  4(3,3)  Analog Filter Design:  PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee: $15.00


EEL 4216  ECS-ECE  3(3,0)  Fundamentals of Electric Power Systems:  PR: EEL 3004 or C.I. Three-phase power representation and analysis, transducers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4309C  ECS-ECE  4(3,3)  Electronics II:  PR: EEL 3307C, EEL 3342C, Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits: A/D and D/A converters. Fall, Spring. M&S fee: $15.00


EEL 4436C  ECS-ECE  3(3,0)  Microwave Engineering:  PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall, M&S fee: $15.00

EEL 4440  ECS-ECE  3(3,0)  Optical Engineering:  PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.


EEL 4518  ECS-ECE  3(3,0)  Satellite Communications:  PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDM, and TDMA. May be repeated for credit. Fall.

EEL 4612  ECS-ECE  3(3,0)  Introduction to Modern and Robust Control:  PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. Occasional.

EEL 4635C  ECS-ECE  4(3,3)  Computer Control Systems:  PR: EEL 3657. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional. M&S fee: $15.00


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EEL 4767C  ECS-ECE  4(3,3)  
Computer System Design I: PR: EEL 3432C and EEL 3801C. Basic computer organization and design. Computer performance metrics, introduction to processor, memory and I/O organization and design. Assembly language pro-
gramming and microprocessor based design. Fall. Spring. M&S fee: $30.00

EEL 4768C  ECS-ECE  4(3,3)  
Computer System Design II: PR: EEL 4767C and EEL 4851C. Continuation of EEL 4767C. Control and datapath design using a hardware description language, micropro-
grammed architectures, instruction and arithmetic pipelines, cache and virtual memory and RISC. Fall. Spring. M&S fee: $30.00

EEL 4781  ECS-ECE  3(0,0)  

EEL 4783C  ECS-ECE  3(2,3)  
Computer-Aided Engineering Design: PR: EEL 4780C. Review of currently available CAE tools for digital hardware and software design applications. Occasional. M&S fee: $5.00

EEL 4791  ECS-ECE  3(2,4)  
Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3031C, EEL 3657, EEL 3307C, EEL 3470. 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 4817H. Research topics in machine learning that are of current interest to the Machine Learning community. Students will be assigned a research project. With Honors consent. Occasional.

EEL 4818H  ECS-ECE  3(3,0)  
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4817H. Research topics in machine learning that are of current interest to the Machine Learning community. With Honors consent. Occasional.

EEL 4832  ECS-ECE  3(3,0)  
Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equa-
tions, 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 perform-
ance 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. Intelligent models, computer vision, natural lan-
guage understanding, pattern analysis, knowledge-based systems, symbolic programming, and advanced architec-
tures. 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 multipro-
gragramming, 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-orient-
ed methodologies, CASE: Analysis, design, and develop-
ment of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890  ECS-ECE  3(3,0)  

EEL 4914  ECS-ECE  3(2,1)  
Senior Design I: PR: EEL 3307C, EEL 3657, and EEL 3552C. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L  ECS-ECE  3(0,3)  
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete proj-
design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, pre-
sentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173  ECS-ECE  3(3,0)  
Linear Systems Theory: PR: EEL 3657. Models and prop-
erties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and real-
ization theory. Spring.

EEL 5245C  ECS-ECE  3(2,1)  
Power Electronics: PR: EEL 4309C. Principles of power electronics, power semiconductor devices, inverter topolo-
gies, switch-mode and resonant dc-to-dc converters, cyclo-
converters, applications. Fall.

EEL 5323C  ECS-ECE  3(2,1)  
Thin Film Technology: PR: EEL 3306 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee: $30.00

EEL 5352  ECS-ECE  3(3,0)  
Semiconductor Material and Device Characterization: PR: EEL 3306 or C.I. Semiconductor material characteriza-
tion resistivity, mobility, doping carrier lifetime, device prop-

EEL 5353  ECS-ECE  3(3,0)  
Semiconductor Device Modeling and Simulation: PR: EEL 3307C. Large signal and small signal model develop-
ment for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE sim-
ulation are included. Spring.

EEL 5355C  ECS-ECE  4(3,3)  
Fabrication of Solid-State Devices: PR: EEL 3306. Fabrication of microelectronic devices, processing technolo-
gy, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee: $45.00

EEL 5370  ECS-ECE  3(3,0)  
Operational Amplifiers: PR: EEL 4309C. Ideal and non-

EEL 5378  ECS-ECE  3(3,0)  
CMOS Analog and Digital Circuit Design: PR: EEL 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEL 5390  ECS-ECE  3(3,0)  
Full-Custom VLSI Design: PR: EEL 3342C, EEL 3307C. CMOS VLSI design methodologies, full custom chip design, industrial CAD tools; simulation; verification. Spring.

EEL 5432  ECS-ECE  3(3,0)  
Satellite Remote Sensing: PR: EEL 3470 or PHY 4342. Fundamentals of satellite remote sensing, orbits and geom-
etry, radiative transfer theory, microwave and infrared sens-
ing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5462C  ECS-ECE  3(3,1)  
Antenna Analysis and Design: PR: EEL 3470 or equiva-
 lent. Fundamentals of antennas: dipole, loops, arrays, apertures, and horns. Analysis and design of various anten-
as. Odd Fall. M&S fee: $5.00

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)  
Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and sto-
chasitic processes. Fall, Spring.

EEL 5547  ECS-ECE  3(3,0)  

EEL 5555C  ECS-ECE  3(2,2)  
RF and Microwave Communications: RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiariza-
tion with network and spectrum analyzers. Occasional. M&S fee: $30.00

EEL 5625  ECS-ECE  3(3,0)  
Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for non-
linear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.
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EEL 5630 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5704 ECS-ECE 3(3,0) Computer Aided Logical Design: PR: EEL 4767C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.

EEL 5708 ECS-ECE 3(3,0) High Performance Computer Architecture: PR: EEL 4767C. Engineering of high performance computer systems. Memory, processor and control sub-systems design tradeoffs, Virtual and cache memory, Pipelining, vector computing. Fall.

EEL 5722C ECS-ECE 3(3,1) Field-Programmable Gate Array (FPGA) Design: PR: EEL 4767C or C.I. FPGA architecture, design flow, applications; logic synthesis, technology mapping, placement, routing; multi-FPGA systems; multi-context, reconfigurable computing, 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 applications. Laboratory assignments. Occasional. M&S fee: $5.00

EEL 5780 ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4767C 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, admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: MAP 2302, EGN 3420. Graph-theoretic and syntactic methods of pattern analysis. Decision functions; optimum decision criteria; training algorithms; feature extraction; unsupervised learning; data reduction and potential functions. Occasional.

EEL 5860 ECS-ECE 3(3,0) Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specifications. Occasional.

EEL 5874 ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4872 or C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0) Software Engineering I: PR: EGN 3420, EEL 4851C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall. Spring.


EES 3004 ECS-ECE 3(3,0) Environmental systems: PR: One semester of college level science, prefer Chemistry or Biology. A technical literacy course in environmental systems for wastewater, drinking water, groundwater, soil, and air treatment for non-engineering majors. Occasional.


EES 4202C ECS-CIE 3(3,3) Chemical Process Control: PR: ENV 3001. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee: $45.00.

EES 5318 ECS-CIE 3(3,0) Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605 ECS-CIE 3(3,0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. Occasional.

EET 2025C ECS-ENT 3(3,0) Digital Communications Systems: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits; RCL circuits, timed circuits, resonance and Q, filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00.


EET 4158C ECS-ENT 3(2,2) Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall. M&S fee: $10.00.


EET 4548 ECS-ENT 3(3,0) Power Systems: PR: 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 4915C ECS-ENT 3(1,4) Senior Design Project: PR: Electronics Engineering Technology senior entering anticipated graduation semester or C.I. Individual or group project involving project definition planning, development, test and evaluation. Progress reports, final oral presentation and final written report required. Occasional.

EEX 2010 ED-CFCS 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2310 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 individu- als with exceptionalities. Fall, Even Spring.

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dren and their families.

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.


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.


Curriculum and Instructional Strategies for Special Needs Students: PR: EEX 2010, EEX 4054, EEX 3241, EDG 4323, RED 3012, LAE 4314, MAE 2801. Development of highly specialized techniques and curriculum materials to be used with students with emotional, learning, cognitive and physical disabilities. Occasional.

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.

Parent-Teacher Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

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, Spring.

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. Odd 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.

Solid Mechanics: PR: EGN 3310; CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending; combined stress, Mohr’s circle, failure theories; design concepts, application to machines and vehicles. Fall, Spring.

Introduction to the Engineering Profession: PR: C.I., LEAD Scholars Program, Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C, EGN 1037C. Presents professional engineering experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

Engineering Analysis-Statics (Honors): PR: MAC 2312. Fundamental concepts of mechanics, including resultants 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. MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

Engineering Analysis-Dynamics: PR: EGN 3310; MAC 2313. Kinematics and Kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

Engineering Analysis - Dynamics Honors: PR: Permission of Honors and PHY 2048; MAC 2312. (Honors section for EGN 3310) Advanced treatment of material and additional topics. More challenging assignments. Project work. May be repeated for credit. Fall.

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EGN 3343  ECS-MMAE  3(3,0)

EGN 3358  ECS-MMAE  3(3,0)

EGN 3365  ECS-MMAE  3(3,0)

EGN 3373  ECS-ECE  3(3,0)

EGN 3373H  ECS-ECE  3(3,0)

EGN 3420  ECS-ECE  3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Fall, Spring.

EGN 3613  ECS-IEMS  2(2,0)

EGN 3704  ECS-CEE  2(2,0)
Engineering and the Environment: PR: CHS 1440 and MAC 2312. Process engineering for air, energy, water, and land environment and the role of engineering in control of these environments. Occasional.

EGN 3843  ECS-IEMS  3(3,0)

EGN 4412C  ECS-MMAE  3(1,5)
Interdisciplinary Design I: PR: Industrial: EIN 3364C; Comp and Elect: EEL 3370C, EEL 3657, EEL 352OC, EEL 3801C; Aero: EAS 3610C; Power: EEL 4321C, EEL 4304C; Comp Sci: COT 3900, COT 3500C; Mech: EML 3500, EML 3701, EML 3300C. CR: EML 4312C, EML 3804C. Application of the design process for interdisciplinary students to solve state-of-the-art engineering problems by system analysis, design, integration, manufacture and testing methods. Fall.

EGN 4413C  ECS-MMAE  3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.

EGN 4624  ECS-IEMS  3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. Fall, Spring.

EGN 4706C  ECG-MMAE  3(2,4)
Small Satellite Payloads and Integration: PR: EML 3300C OR EEL 3800C OR EEL 3810C OR ESI 4532C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional.

EGN 4707C  ECG-MMAE  3(2,4)
Processing Space-Launch Systems: PR: For ECE: EEL 3552C or EEL 4747C; For IEMS: ESI 4523C; For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system "Inertial Upper Stage." May be repeated for credit. Occasional.

EGN 4824  ECS-ENT  3(3,0)

EGN 4830  ECS-ENT  3(3,0)
Telecommunications: Telecommunications and its role in contemporary local, national, and international society. Occasional.

EGN 4931H  ECS-ENT  3(3,0)
Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C  ECS-ECS  1(1,1)
Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, life long learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 5035  ECS-ECS  3(3,0)
Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. Occasional.

EGN 5720  ECS-IEMS  3(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3345 or EGN 3350 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Occasional. M&S fee: $45.00

EGN 5840  ECS-MMAE  3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Martin Marietta/UCF Academy. Earth and space environment, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGN 5855C  ECS-IEMS  3(2,2)
Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5858C  ECS-IEMS  3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Occasional. M&S fee: $45.00

EIN 3000C  ECS-IEMS  2(2,0)
Introduction to Industrial Engineering and Management Systems: Issues important to the operation of an industrial or service facility. Fall.

EIN 3314C  ECS-IEMS  2(2,2)

EIN 3334  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 4214  ECS-IEMS  3(3,0)

EIN 4243C  ECS-IEMS  3(2,2)

EIN 4333C  ECS-IEMS  3(2,3)

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 interrelationships of plant location, process design, and materials handling. Laboratory assignments. Spring.

EIN 4391C  ECS-IEMS  3(2,2)
Manufacturing Engineering: PR: EGN 3365. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall. 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 manufacturability and assembly. Even Spring.

EIN 4516C  ECS-IEMS  3(2,2)
Systems Analysis and Design: PR: EIN 4364C. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00
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. Fall.

EIN 4621C ECS-IEMS 3(2,2) Computer-Aided-Manufacturing: PR: EIN 4391C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

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 CI. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IEMS 3(3,0) Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3,0) Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-IEMS 3(2,2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. 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; quality techniques; laboratory techniques; and field study approaches. Spring.

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 CI. 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. Occasional.


EIN 5388 ECS-IEMS 3(3,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-IEMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional. M&S fee: $20.00

EIN 5607C ECS-IEMS 3(2,2) Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4555C, or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programing, machine and system control. 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, societies, conferences, presentations, interview, 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 3012C ECS-MMAE 2(2,2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3343. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring.

EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3911. Microstructural and mechanical characterization of nanostructures, nano-coatings, corrosion, magnetic, 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 2053C. Nanomaterials, processing, nanomanufacturing, nanocomposites, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.


EMA 4103 ECS-ENT 3(3,0) Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh space environment. Occasional.


EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3012C, and EGN 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


EMA 5060 ECS-MMAE 3(3,0)

EMA 5104 ECS-MMAE 3(3,0)

EMA 5106 ECS-MMAE 3(3,0)

EMA 5108 ECS-MMAE 3(3,0)
Surface Science: PR: PHY 2049 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopics utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMAE 3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EMA 5317 ECS-MMAE 3(3,0)

EMA 5326 ECS-MMAE 3(3,0)

EMA 5504 ECS-MMAE 3(2,2)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auge microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2,2)
Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications and cryostatography in the SEM. Occasional.

EMA 5517 ECS-MMAE 3(2,2)
Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectroscopy. May be repeated for credit. Occasional.

EMA 5584 ECS-MMAE 3(3,0)

EMA 5585 ECS-MMAE 3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-MMAE 3(3,0)
Photovoltaic Solar Energy Materials: PR: EGN 3365. Properties materials basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMOS-1D modeling of c-Si, GaAs bulk and a-SiH, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.

EMA 5587C ECS-MMAE 3(2,2)

EMA 5588 ECS-MMAE 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; Cell-biomaterials interactions; Engineering bone & cartilage; Soft-tissue replacements; Total hip replacements; Nanostructured biomaterials. Imaging techniques, Preservation techniques for bio-materials, MSDS and FDA compatibility data. Occasional.

EMA 5610 ECS-MMAE 3(3,0)

EMA 5705 ECS-MMAE 3(3,0)
High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EMA 6040 ED-ERTL 3(1,0)
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: $3.00

EMA 6050 ED-ERTL 3(3,0)
Fundamentals of Technology for Educators: PR: Postbac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EMA 6051 ED-ERTL 3(3,0)
Technologies of Instruction & Information Management: PR: Acceptance into Ed Media program or C.I. Topics 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.

EMA 6053 ED-ERTL 3(3,0)
Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EMA 5507 ED-ERTL 3(3,0)
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.

EMA 5208 ED-TLP 3(3,0)
Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.

EMA 5225 ED-TLP 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 nonprint materials. Spring.

EMA 5810 ED-TLP 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 repeated 3 times for credit.) 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. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 3262 ECS-MMAE 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EML 3303C ECS-MMAE 2(2,2)

EML 3500 ECS-MMAE 3(3,0)

EML 3701 ECS-MMAE 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Hours</th>
<th>Description</th>
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<tbody>
<tr>
<td>EML 5587C</td>
<td>Mechanics of Biostructures I</td>
<td>3(2,3)</td>
<td></td>
<td>PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Even Fall.</td>
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<tr>
<td>EML 5588C</td>
<td>Mechanics of Biostructures II</td>
<td>3(2,3)</td>
<td></td>
<td>PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Even Fall.</td>
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<tr>
<td>EML 5605</td>
<td>Applied HVAC Engineering</td>
<td>3(3,0)</td>
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<td>PR: EML 4600. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit. Occasional.</td>
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<tr>
<td>EML 5606</td>
<td>HVAC Systems Engineering</td>
<td>3(3,0)</td>
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<td>PR: EML 3101, EML 4142, EML 3034C. H eating, ventilation; air-conditions and refrigeration principles, system design and analysis. May be repeated for credit. Odd Fall.</td>
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<tr>
<td>EML 5936</td>
<td>Mechanical, Materials, &amp; Aerospace Engineering</td>
<td>1(1,0)</td>
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<td>PR: EML 3101, EML 3107. Emphasis on a variety of reading topics and on student experiences. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
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<tr>
<td>EMR 4011</td>
<td>Intro to Mental Retardation: Nature and needs of mentally handicapped students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. Occasional.</td>
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<td>EMR 4362</td>
<td>Teaching Students with Mental Handicaps: PR: EEX 2010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. Occasional.</td>
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<td>ERC 4372</td>
<td>Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. Occasional.</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
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<tr>
<td>ENC 1101H</td>
<td>Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II: PR: ENC 1101 with a grade of &quot;C&quot; or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
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<td>ENC 1102H</td>
<td>Honors Freshman Composition II: PR: ENC 1101H with a grade of &quot;C&quot; or better and Honors standing or EML 4703. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
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<tr>
<td>ENC 2127</td>
<td>Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.</td>
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<td>ENC 2211</td>
<td>Writing for the Business Professional: PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing of memarnda, reports, and articles in the student's declared field of business. Occasional.</td>
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<td>ENC 2411C</td>
<td>Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.</td>
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<tr>
<td>ENC 2411</td>
<td>Writing for the Liberal Arts: PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing of memarnda, reports, and articles in the student's declared field of business. Occasional.</td>
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<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing: PR: ENC 1102, Junior standing, or C.I. Provides definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. Fall, Spring.</td>
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<tr>
<td>ENC 3211H</td>
<td>Honors Theory and Practice of Technical Writing: PR: Permission of Honors and ENC 1102H or equivalent credit. Taught at Honors level. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. Occasional.</td>
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<td>ENC 3241</td>
<td>Writing for the Technical Professional: PR: ENC 1102, Junior standing, or C.I. Emphasis on effective technical writing with emphasis on clear expository writing, layout and design of data, and translation of technical documents for the lay audience. Fall, Spring.</td>
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<td>ENC 3241H</td>
<td>Honors Technical Writing: PR: Permission of Honors and ENC 1102H or equivalent credit. Taught at Honors level. Emphasis on understanding and improving writing styles, particularly for a variety of technical writing genres. Fall, Spring.</td>
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<tr>
<td>ENC 3250</td>
<td>Professional Writing: PR: 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.</td>
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<td>ENC 3250H</td>
<td>Honors Technical Writing: PR: Permission of Honors and ENC 1102H or equivalent credit. Taught at Honors level. Emphasis on understanding and improving writing styles, particularly for a variety of technical writing genres. Fall, Spring.</td>
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<td>ENC 3310</td>
<td>Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.</td>
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<td>ENC 4215</td>
<td>Technical Publication and Project Management: PR: ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Introduction of graphic, style, format, layout, and boardwork. Spring.</td>
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<td>ENC 4262</td>
<td>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 logical challenges. Occasional.</td>
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<td>ENC 4265</td>
<td>Writing for the Computer Industry: PR: ENC 1102 and Junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.</td>
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<td>ENC 4275</td>
<td>Writing/Consulting: theory &amp; practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.</td>
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<td>ENC 4280</td>
<td>Technical Writing Style: PR: ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.</td>
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ENC 4290 CAH-ENG 3(3,0) Usability Testing for Technical Communication: PR: 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) Technical Documentation I: PR: ENC 3111 or ENC 3241. Practice in translating highly technical information to organized documentation: hardware, software, military specifications. Theory of designing and organizing technical manuals. Preparation of proposals. Interview skills. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0) Technical Documentation II: PR: 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 4295 CAH-ENG 3(3,0) Technical Documentation III: PR: ENC 4294. Designing, writing, and illustrating manuals, e.g., repairs, maintenance or users. Project supervised by a member of a student's major department or technical editor of a corporation. Fall, Spring. M&S fee: $10.00

ENC 4312 CAH-ENG 3(3,0) Theory & Practice of Persuasive Writing: PR: ENC 1102. A study of the theory and practice of persuasion, including logical, emotional and ethical appeals. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: CRW 3013 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 Discursive: PR: ENC 1102. This online course explores the development of digital online rhetoric through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5214 CAH-ENG 3(3,0) Production and Publication Methods: PR: Graduate status or senior standing or C.I. Theory and practice of production and publication methods for technical writers. Occasional.

ENC 5216 CAH-ENG 3(3,0) Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5219 CAH-ENG 3(3,0) Graphics in Technical Writing: PR: Graduate status or senior standing or C.I. A study of the creation and editing of graphics in technical documents. 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. Prepares 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 5256 CAH-ENG 3(3,0) Gendered Rhetoric: PR: Graduate status or senior standing or C.I. Questions women's and men's linguistic choices, the influence of medium and discipline of discourse, and consequences of status, power, and oppression. Occasional.

ENC 5276 CAH-ENG 3(3,0) Writing/Consulting: Theory & 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 5277 CAH-ENG 3(3,0) Teaching Writing With Computers: PR: Graduate status or senior standing or C.I. To provide immersion in the theories and practices of writing in electronic spaces including current discourse conventions from speech and print media. 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 5306 CAH-ENG 3(3,0) Persuasive Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing persuasively. Occasional.

ENC 5335 CAH-ENG 3(3,0) Rhetorical Traditions: PR: Graduate status or senior standing or C.I. To provide a foundation for research by familiarizing students with the chronological spectrum of theoretical rhetoric. Fall, Spring.

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 5338 CAH-ENG 3(3,0) The Rhetorics of Public Debate: PR: Graduate status or senior standing or C.I. To examine how rhetorical theories further community goals, including activism, political, legislative, and other significant public debates. Occasional.

ENC 5344 CAH-ENG 3(3,0) Proposal Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing proposals. Occasional.

ENC 5425 CAH-ENG 3(3,0) Hypertext Theory and Design: PR: graduate status, post bac, or senior standing, or C.I. Theoretical and practical study of the uses and premises of hypertext. Occasional.

ENC 5427 CAH-ENG 3(3,0) Hypertext: PR: Graduate status or senior standing or C.I. A study of the theory and practice of computer-driven hypertext. Occasional.

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 5712 CAH-ENG 3(3,0) Studies in Literacy and Writing: PR: Graduate standing or C.I. To study the theories of cultural and critical literacy, definitions of literacy, and current political issues in literacy studies. Odd Fall.

ENC 5745 CAH-ENG 3(3,0) Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester. GTA's will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0) Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENC 5945 CAH-ENG 3(3,0) Community Literacy Practicum: PR: Graduate status or senior standing or C.I. Designed to deepen theoretical understanding of literacy through participation in a community literacy project. Occasional.

ENG 3010 CAH-ENG 3(3,0) Practical Criticism: PR: 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: ENC 1102, Junior standing, or C.I. 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: 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: ENC 1102 and ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 5009 CAH-ENG 3(3,0) Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 5018 CAH-ENG 3(3,0) Literary Criticism: PR: Graduate status or senior standing or C.I. Historical survey of major critics from classical antiquity to the modern era. Spring.

ENL 5452 CAH-ENG 3(3,0) English Language I: PR: ENC 1102. Beowulf to 1798. Fall, Spring.
ENL 2022 CAH-ENG 3(3,0) English Literature II: PR: ENC 1102. From 1798 to 1914. Fall, Spring.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. involvement in theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.


ENL 4220 CAH-ENG 3(3,0) English Renaissance Poetry and Prose: PR: ENC 1102 and ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Chaloner, & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: ENC 1102 and ENG 3014. Reading, analysis, and discussion of literature in English: 1690-1880. May be repeated for credit. Occasional.


ENL 4253 CAH-ENG 3(3,0) English Literature: PR: ENC 1102 and ENG 3014. Selections from the non-dramatic works of other 17th-century figures. Occasional.

ENL 4527 CAH-ENG 3(3,0) Shakespeare Studies: PR: ENC 1102 and ENG 3014. Reading, analysis, and discussion of Shakespeare’s plays. May be repeated for credit. Occasional.

ENL 4533 CAH-ENG 3(3,0) British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on literature’s social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1680-1830. Occasional.

ENL 5250 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. Occasional.

ENL 5256 CAH-ENG 3(3,0) Victorian Literature: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. Occasional.

ENL 5335 CAH-ENG 3(3,0) Studies in Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare’s development as an artist: aesthetics of dramatic literature. Occasional.

ENL 5347 CAH-ENG 3(3,0) The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. Occasional.

ENL 5301 CEE-3(3,0) Introduction to Environmental Engineering: PR: CHM 2046 and MAC 2312. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. May be repeated for credit. Fall, Spring.

ENL 4008C CEE-3(2,2) Environmental Engineering Capstone Design: PR: one of ENV 4561C, ENV 4300C, ENV 4122C, or CWR 4812C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Occasional.

ENV 4112C CEE-3(2,2) Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 CEE-3(3,0) Air Pollution Control: PR: EGN 3343 and CWR 3201 and ENV 3001. Air resources engineering design, and operation of air pollution control systems. Fall.

ENV 4122C CEE-3(2,2) Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Occasional.

ENV 4300C CEE-3(2,2) Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste landfill. Occasional. M&S fee: $15.00

ENV 4341 CEE-3(3,0) Solid Waste Management: PR: ENV 3001 or C.I. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 CEE-3(3,0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CEE 3(3,0) Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.

ENV 4561 ECS-CEE 4(4,0) Environmental Engineering - Process Design: PR: ENV 3001 and CWR 3201. Water treatment and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4562C ECS-CEE 3(2,2) Environmental Engineering Systems Design: PR: ENV 4561, EES 4202C. Project course on design of water and wastewater treatment plants. Spring. M&S fee: $15.00


ENV 5116C ECS-CEE 3(2,3) Air Pollution Monitoring: PR: C.I. Air Pollutant sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5334 ECS-CEE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CEE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5410 ECS-CEE 3(3,0) Drinking Water Treatment: PR: ENV 4561. Drinking water treatment utilizing existing and newly developed processes. Fe, Mn, As, NO3, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


EPH 5335 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.
ETG 4950C ECS-ENT 3(1,4)
Senior Design Project: PR: Senior Standing. Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETI 3116 ECS-ENT 3(3,0)

ETI 3418C ECS-ENT 3(2,2)
Computer Numerical Controls - Machining Applications: PR: ETI 3350C. 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)
Materials and Processes: PR: MAC 1105 and MAC 1114 or equivalent; Chemistry. A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes. Fall.

ETI 3671 ECS-ENT 3(3,0)

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 logistic 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 4331C ECS-ENT 3(3,3)
Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the spacecraft-to-ground communications link and ground system design. Occasional.

ETI 4382C ECS-ENT 3(1,4)
Launch Processing Technology: PR: or CR: ETI 4150 or C.I. Processes and methods in the preparation, integration, and launch of a space payload and launch vehicle. Includes hands-on launch processing activities in a laboratory environment. Occasional.

ETI 4448 ECS-ENT 3(3,0)
Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.

ETI 4480C ECS-ENT 3(2,2)
Applied Robotics: PR: EST 3434C. Robotics programming for multifunction part manipulation and motions with stepper and servo-motor robot applications in laboratory work. Fall.

ETI 4635 ECS-ENT 3(3,0)
Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ENT 3(3,0)
Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT/CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

ETI 4661C ECS-ENT 3(2,2)

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 lang. 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. Fall. M&S fee: $34.60

ETI 4838 ECS-ENT 3(3,0)
Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, CAD. Orbital trajectory design; analysis of vehicle sustained g-forces; vehicle vibration analysis; orbital maneuvering; atmospheric re-entry; launch windows; rocket apogee and down range computations; wind corrections and launch angles. Spring.

ETI 4839 ECS-ENT 3(3,0)

ETM 4220 ECS-ENT 4(4,0)

ETM 4225 ECS-ENT 3(3,0)
Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.

ETM 4232C ECS-ENT 4(3,2)
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. Spring.

ETM 4331C ECS-ENT 4(3,2)
Applied Fluid Mechanics: PR: MAC 2253 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 4403C ECS-ENT 3(2,2)

ETM 4512C ECS-ENT 3(2,2)

ETM 4755 ECS-ENT 4(4,0)
Applied Air Conditioning: PR: ETM 4331C. Analysis of body comfort, psychrometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements. Occasional.

EIH 2000 CAH-HIST 3(3,0)
Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.

EIH 2000H CAH-HIST 3(3,0)

EIH 2001 CAH-HIST 3(3,0)
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EIH 2000. Fall, Spring.

EIH 2001H CAH-HIST 3(3,0)

EIH 3122 CAH-HIST 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVT 3502</td>
<td>Special Needs of Vocational Students</td>
<td>3(3,0)</td>
<td>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. Spring.</td>
</tr>
<tr>
<td>EVT 4065</td>
<td>Principles and Practices of Vocational Education</td>
<td>4(4,0)</td>
<td>PR: EVT 3365 or C.I. Study of the history, structure, and current status of vocational education. Achievement of competency in applying principles of vocational education to vocational student organizations, advisory committees, and economic development. Fall.</td>
</tr>
<tr>
<td>EVT 4169</td>
<td>Curriculum Development Techniques for Industry Training</td>
<td>3(3,0)</td>
<td>The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.</td>
</tr>
<tr>
<td>EVT 4368</td>
<td>Advanced Teaching Techniques for Vocational Education</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.</td>
</tr>
<tr>
<td>EVT 4815</td>
<td>Safety in the Technical Education Classroom and Laboratory</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EVT 5260</td>
<td>Cooperative Programs in Vocational Education</td>
<td>2(4-2,4)</td>
<td>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.</td>
</tr>
<tr>
<td>EVT 5561</td>
<td>Student Guidance in the Vocational Program</td>
<td>2(3-2,3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EVT 5817</td>
<td>Management of Vocational Programs</td>
<td>2(4-2,4)</td>
<td>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.</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>Advanced Human Memory and Cognition</td>
<td>3(1,4)</td>
<td>PR: PSY 3233, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>EXP 5208</td>
<td>Sensation and Perception</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EXP 5254</td>
<td>Human Factors and Aging</td>
<td>3(3,0)</td>
<td>PR: Graduate status, post-bacc, or senior standing or C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles and environmental task design. Even Fall.</td>
</tr>
<tr>
<td>FIL 1001</td>
<td>Cinema Survey</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 1001H</td>
<td>Honors Cinema Survey</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 1007</td>
<td>Foundations of Story</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 1008</td>
<td>Cinematic Expression/Aesthetics</td>
<td>3(3,0)</td>
<td>PR: Film Major and FIL 2107. Rudiments of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Fall, Spring. M&amp;S fee: $13.00</td>
</tr>
<tr>
<td>FIL 1009</td>
<td>Cinematic Expression for Majors</td>
<td>3(3,0)</td>
<td>PR: FIL 1007 or FIL 1100. Analyzes and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Spring.</td>
</tr>
<tr>
<td>FIL 1100</td>
<td>Foundations of Story for Majors</td>
<td>3(3,0)</td>
<td>PR: Pending Film majors or Film minors. Analysis of dramatic and cinematic narrative structures, both plot and character, from an historical and cultural perspective. Occasional.</td>
</tr>
<tr>
<td>FIL 1226</td>
<td>Film Production Tools</td>
<td>3(3,0)</td>
<td>PR: Pending Film majors or Film minors. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.</td>
</tr>
<tr>
<td>FIL 2107</td>
<td>Script Analysis</td>
<td>3(3,0)</td>
<td>PR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 2200</td>
<td>Cinematography I</td>
<td>3(3,0)</td>
<td>PR: Film majors. FIL 2274C, FIL 2220. Concepts and tools of cinematography and lighting. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 2220</td>
<td>Directing I</td>
<td>3(3,0)</td>
<td>PR: Film Major. FIL 1008, FIL 3212, FIL 3201C. Introduction to processes and techniques of directing. Spring.</td>
</tr>
<tr>
<td>FIL 2221</td>
<td>Acting for Film I</td>
<td>3(3,0)</td>
<td>PR: BFA Film majors. Acting through use of various acting techniques, developing an ability to direct and work with actors effectively. Fall.</td>
</tr>
<tr>
<td>FIL 2224C</td>
<td>Foundations of Production</td>
<td>3(3,0)</td>
<td>PR: Film Majors. Production techniques for non-majors. Introduction to basic techniques used in filmmaking. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 2274C</td>
<td>Editing I</td>
<td>3(3,2)</td>
<td>PR: Film Major. FIL 1008, FIL 3212, FIL 3201C. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 2400</td>
<td>History of Motion Pictures</td>
<td>3(2,2)</td>
<td>The history of motion pictures as art and industry, from 1895 to the present. Fall, Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>FIL 2532</td>
<td>The American Film Artist</td>
<td>3(3,0)</td>
<td>The evolution and growth of a film artist, the emergence of a unique personal vision, and its influence on society. May be repeated for credit when content differs. Fall, Spring. M&amp;S fee: $10.00</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
<td>3(3,0)</td>
<td>PR: Pending Film majors. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>FIL 3102</td>
<td>Writing for Film and TV</td>
<td>3(3,0)</td>
<td>PR: ENC 1102. Junior Standing. Theories and processes of screen writing for motion picture and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>FIL 3106C</td>
<td>Introduction to Scriptwriting</td>
<td>3(2,3)</td>
<td>PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.</td>
</tr>
<tr>
<td>FIL 3124</td>
<td>Short Script I</td>
<td>3(3,0)</td>
<td>PR: Film majors. Development of the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 3125</td>
<td>Short Script II</td>
<td>3(3,0)</td>
<td>PR: Film majors. FIL 3124. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. Even Spring.</td>
</tr>
</tbody>
</table>
FIL 3201C CAH-FILM 3(2,4) Introduction to Film Production: PR: Film majors, FIL 2107. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3225 CAH-FILM 3(3,0) Acting for Film II: PR: BFA Film majors, FIL 2221 or C.I. Characterization and scene study as it applies to working in front of the camera. Spring.

FIL 3229 CAH-FILM 3(0,3) Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

FIL 3236C CAH-FILM 3(3,6) Advanced Documentary Production: PR: FIL 3300C. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $14.00

FIL 3252C CAH-FILM 3(3,1) Cinematic Expression: PR: FIL 2400. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3269 CAH-FILM 3(3,0) Cinema Directors: PR: FIL 3503C and Film or Cinema Study major. Intensive study of the work of selected filmmakers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3286C CAH-ART 3(2,4) Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall. Spring. M&S fee: $35.00

FIL 3287C CAH-ART 3(2,4) Intermediate Animation: PR: Animation majors only, FIL 3286C, and a satisfactory portfolio review or C.I. Focus on 3D computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring. M&S fee: $35.00

FIL 3297 CAH-FILM 3(3,0) Sound Design I: PR: Film or Digital Media major. Technological aspects of production and post-production sound recording, editing, and mixing. Fall, Spring.

FIL 3300C CAH-FILM 3(3,1) Film Documentary: PR: Film or Cinema Studies major, FIL 3201C or FIL 3229. The uses and analysis of the non-fiction film. Fall. M&S fee: $15.00

FIL 3304C CAH-FILM 3(1,3) Documentary Vision: PR: Film major and FIL 3201C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0) Docudrama: PR: FIL 2220. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3309 CAH-FILM 3(3,1) Women in Film: PR: Junior standing. A critical examination of how cinematic images of women affect cultural perceptions and an overview of historically significant women filmmakers and related sociopolitical issues. Fall, Spring.

FIL 3401 CAH-FILM 3(3,0) Film History I: PR: Film majors and FIL 2107. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3402 CAH-FILM 3(3,0) Film History II: PR: Film majors and FIL 3401. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3410 CAH-FILM 3(3,0) History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.


FIL 3418 CAH-FILM 3(3,0) Avant-Garde Cinema: PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmakers. Spring. M&S fee: $10.00

FIL 3503C CAH-FILM 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film or Cinema Studies major. Major film theories to the Second World War Period. Fall. M&S fee: $10.00

FIL 3504C CAH-FILM 3(3,1) Film Theory and Criticism II: PR: FIL 3503C and Film or Cinema Studies major. Major film theories from Second World War period to present. Spring. M&S fee: $20.00

FIL 3510 CAH-FILM 3(3,0) World Cinema Traditions: PR: Cinema Studies or Film major, FIL 3504C. The relationship among film, history, and culture in selected Asian, African, Latin American and Missing Eastern countries. Fall, Spring.


FIL 3512 CAH-FILM 3(3,0) Italian Neo-Realist Cinema: PR: FIL 2400. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Even Fall, Spring.

FIL 3513 CAH-FILM 3(3,0) Latin American Cinema: PR: FIL 3503C and FIL 3504C. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3514 CAH-FILM 3(3,0) International Cinema: PR: FIL 2400. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3520 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 3521 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 3522 CAH-LANG 3(3,0) German Film: PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociological structures at the time. Occasional.


FIL 3542 CAH-FILM 3(3,0) Cinema Criticism Writing: PR: ENC 1102, FIL 2400, FIL 3401, FIL 3402 and FIL 3503C. Modes of cinema criticism. Occasional.

FIL 3551 CAH-FILM 3(3,0) American Cinema: PR: Film major. Lectures, films and forums designed to provide awareness of styles, images and myths in cinema that influence or reflect our culture. Spring.

FIL 3562 CAH-DIG 3(3,0) Interactive Entertainment: PR: FIL 2107 and a minimum grade of “B” (3.0) or better in DIG 3010 and Film or Digital Media major. 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.

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. Course may be repeated. Graded S/U. Fall, Spring.

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 4111C CAH-FILM 3(2,3) Feature/TV Writing I: PR: Film major and FIL 3124. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4112C CAH-FILM 3(2,3) Feature/TV Writing II: PR: Film major, FIL 4111C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4113C CAH-FILM 3(2,3) Interactive Writing I: PR: Junior Standing, Film major. FIL 3124 or Digital Media major. Writing workshop for experienced scriptwriters, 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 4211C CAH-FILM 3(3,0)
Capstone II: PR: Film major and FIL 4203C. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Graded S/U. M&S fee: $45.00

FIL 4228 CAH-FILM 3(3,0)
Directing III: PR: Film major, FIL 2200 and FIL 4208C. Advanced processes and techniques of directing. Spring. M&S fee: $45.00

FIL 4226C CAH-FILM 4(3,2)
Special Problems in Film Design: A series of exercises in craft, techniques, and design for film production, including animation. Odd Spring. M&S fee: $20.00

FIL 4280 CAH-DIG 3(3,0)

FIL 4284C CAH-FILM 3(3,1)
Non-Linear Editing: PR: Film major and FIL 2201C. Provides basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee: $45.00

FIL 4288C CAH-ART 3(2,4)
Advanced Animation: PR: Animation majors only, FIL 3286C, FIL 3287C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee: $35.00

FIL 4294C CAH-FILM 3(3,2)
Editing II: PR: Film major and FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee: $45.00

FIL 4301C CAH-FILM 3(1,3)
Documentary Workshop II: PR: FIL 3004C. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM 3(3,3)
Documentary Workshop II: PR: FIL 4301C. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4411 CAH-FILM 3(3,0)

FIL 4506C CAH-FILM 3(2,2)
Genre Writing: PR: Film major, FIL 3503C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.

FIL 4564 CAH-FILM 3(3,0)

FIL 4574 CAH-FILM 3(3,0)
Images and Text in Context: PR: FIL 2400 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4602 CAH-FILM 3(3,0)
Film Business: PR: Film major, FIL 4207, FIL 4208C. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4604 CAH-FILM 3(3,0)
The Film Producer: PR: Film major or Cinema Studies major, and FIL 4288C. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4607 CAH-FILM 3(3,0)
Film Production Management: PR: Film major, FIL 3201C. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboard to classic structural paradigms for feature film scripts. Fall.

FIL 5609 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of Film and New Media. Spring.

FIL 5810 CAH-DIG 3(3,0)
Transmedia Story Creation: PR: Admission to Film and Digital Media master's program or C.I. Repurposing of traditional stories: creation of authentic environments and the emergence of new authoring scenarios. Fall.

FIL 5853 CAH-FILM 3(3,0)
Cinematic Forms: PR: Graduate standing in Film and Digital Media or C.I. Evolution of cinematic form through the works of key directors and theorists. Spring.

FIN 2104 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students. An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403: open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403 BA-FIN 3(3,0)
Business Finance: PR: Junior standing and business major or minor, ACG 2021, ACG 2071, ECO 2013 and ECO 2023. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403H BA-FIN 3(3,0)
Business Finance - Honors: PR: Finance major, ACG 2021, ACG 2071, ECO 2013, ECO 2023 and permission of Honors. Open to University honors students and other students participating in the honors program. Same as FIN 3403 with honors level content. Occasional.

FIN 3414 BA-FIN 3(3,0)
Intermediate Corporate Finance: PR: FIN 3403; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3470 BA-FIN 3(3,0)

FIN 3504 BA-FIN 3(3,0)
Investment Analysis: PR: FIN 3403; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environments. Principles of asset valuation in efficient markets. Fall, Spring.
FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, FIN 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the interactions 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 4445 BA-FIN 3(3,0) Financial Models: PR: FIN 3403, 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 3403, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of national investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4521C BA-FIN 4(3,1) Applied Portfolio Management I: PR: Finance major, FIN 3403, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/reward, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4522C BA-FIN 4(3,1) Applied Portfolio Management II: PR: Finance major, FIN 4521C, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403, 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 of derivative securities and the determination of fair market value. Fall, Spring.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403, FIN 3303, CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FIN 5405 BA-FIN 3(3,0) Financial Concepts: PR: Acceptance into the graduate program, ACG 5055 and ECO 5055, or equivalents. Effects of financial decisions upon the firm, interrelationships of these effects and alternatives available to financial managers in making these financial decisions. Occasional.

FIN 5407 BA-FIN 1.5(1.5,0) Finance Foundations: PR: Graduate standing or C.I. Effects of financial decisions upon the firm, interrelationships of these effects and alternatives available to financial managers in making these financial decisions. 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 C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TLP 2(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: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-8 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 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 5333 or FLE 5870, EDG 4323 or EDG 6226, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-8 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 Aragon and Provencal. Occasional.

FRE 1005 CAH-MUSIC 1(1,0) French Dict: This course is especially designed for music and voice students, with an emphasis on musical terms, French songs, and opera libretti. Odd Fall.


FRE 1121 CAH-LANG 4(4,1) Elementary French Language and Civilization II: PR: FRE 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: 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.
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FRE 3440 CAH-LANG 3(3,0)

FRE 3441 CAH-LANG 3(3,0)

FRE 3760 CAH-LANG 3(3,0)
Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0)
Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6 (6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500 CAH-LANG 3(3,0)

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 Wast: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English. Occasional.

FRW 3100 CAH-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)
The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 18th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0)
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.

FRW 3760 CAH-LANG 3(3,0)

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, Butler, Camus, Maupassant, Malraux and Sarrate. Occasional.

FRW 4310 CAH-LANG 3(3,0)

FRW 4324 CAH-LANG 3(3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Giraudoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.

FRW 4440 CAH-LANG 3(3,0)

FRW 4532 CAH-LANG 3(3,0)

FRW 4552 CAH-LANG 3(3,0)

FRW 4820 CAH-LANG 3(3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2221C RCHM-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 RCHM-HOS 3(3,0)
Culture and Cuisine: PR: FSS 2221C and HFT 3261. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.

FSS 3124 RCHM-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 RCHM-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 pantry, garde-manger, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00

FSS 4135 RCHM-HOS 3(3,0)
Corporate Contract and Managed Services Organizations: PR: HFT 3261. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-HOS 3(3,1)
Catering and Banquet Organization: PR: FSS 2221C 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 4206 ECS-CHE 3(3,0)

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 2011 BA-MAN 3(3,0)
Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

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 6(6,0)
The Cornerstone Course: PR: Junior standing and business major or minor. ACG 2071, ECO 2013, ECO 2023, and CGS 2100C. 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.

GGB 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 3356 BA-FIN 3(3,0)
Introduction to International Business: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ACG 2071. Understanding the interdependence of globalized world economy and similarities and dissimilarities between domestic and international business domains. Fall, Spring.
GEB 3356H  BA-FIN  3(3,0)  Introduction to International Business - Honors:  PR: Junior standing and business major or minor, permission of Honors. ECO 213, ECO 223, ACG 201. Understanding the interdependence of globalized world economy and similarities between domestic and international business domain. Occasional.


GEB 3815  BA-MAN  3(3,0)  Employee Training for Non-Business Majors:  PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

GEB 4111  BA-MAN  3(3,0)  New Venture Finance:  PR: FIN 3403. 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 4117  BA-MAN  3(3,0)  Business Plan Preparation:  PR: MAN 4802. 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 4358  BA-FIN  3(3,0)  International Negotiations and Transactions:  PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4361  BA-FIN  3(3,0)  Business in the International Environment:  PR: Finance major, FIN 3403, MAR 3023, MAN 3025. Provides an overview of understanding the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4363  BA-FIN  3(3,0)  Export and Import Management:  PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 5941  BA-BUS  1.5(1,5)  Professional Business Practicum:  PR: Acceptance in the graduate program. The practicum is to provide professionals with business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200  ECS-CEE  3(3,0)  Physical Geography:  Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370  ECS-CEE  3(3,0)  Resources Geography:  Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 2371  COS-POLS  3(3,0)  World Political Geography:  Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1005  CAH-MUSIC  1(0,1)  German Diction:  This course is especially designed for music and voice students, with an emphasis on musical terms, German songs, and opera libretti. Odd Spring.

GER 1120  CAH-LANG  4(4,1)  Elementary German Language and Civilization I:  Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1120H  CAH-LANG  4(4,1)  Honors Elementary German Language and Civilization I:  PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121  CAH-LANG  4(4,1)  Elementary German Language and Civilization II:  PR: GER 1120 or equivalent. Continuation of GER 1120. Fall, Spring.

GER 1121H  CAH-LANG  4(4,1)  Honors Elementary German Language and Civilization II:  PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200  CAH-LANG  3(3,1)  Intermediate German Language and Civilization I:  PR: GER 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201  CAH-LANG  3(3,1)  Intermediate German Language and Civilization II:  PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210  CAH-LANG  3(3,0)  Intensive German Conversation:  PR: GER 1121 or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240  CAH-LANG  3(3,0)  German Conversation:  PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270  CAH-LANG  6(6,0)  Intermediate German Study Abroad:  PR: GER 1121 or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271  CAH-LANG  2(2,0)  Modern German Civilization Abroad I:  PR: One year of college-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102  CAH-LANG  3(3,0)  Germany - Past to Present:  PR: GER 3760 or GER 3402 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3105  CAH-MUSIC  1(0,1)  German Diction:  This course is especially designed for music and voice students, with an emphasis on musical terms, German songs, and opera libretti. Odd Spring.

GER 3272  CAH-LANG  2(2,0)  Modern German Civilization Abroad II:  PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420  CAH-LANG  3(3,0)  Intensive German Composition:  PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3440  CAH-LANG  3(3,0)  Business German I:  PR: GER 2200. Introduction to German business language and practices. Occasional.

GER 3441  CAH-LANG  3(3,0)  Business German II:  PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470  CAH-LANG  6(6,0)  Advanced German Study Abroad:  PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760  CAH-LANG  3(3,0)  Advanced German Oral Communication:  PR: GER 2201 or equivalent. Vocabularly building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780  CAH-LANG  3(3,0)  German Phonetics and Diction:  PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422  CAH-LANG  3(3,0)  Advanced German Grammar:  PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. Occasional.

GER 4510  CAH-LANG  3(3,0)  Life and Culture in Nazi Germany:  PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520  CAH-LANG  3(3,0)  Modern Germany:  PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100  CAH-LANG  3(3,0)  Survey of German Literature I:  PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 15th Century Romanticism. Occasional.

GEW 3101  CAH-LANG  3(3,0)  Survey of German Literature II:  PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370  CAH-LANG  3(3,0)  Short Story:  PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480  CAH-LANG  3(3,0)  German Post-War Literature:  PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.
GRA 2101H CAH-ART 3(2,4) Honors Introduction to Computer Art: PR: ART 2820 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors consent. Occasional.

GRA 2111C CAH-ART 3(2,4) Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00

GRA 2140C CAH-ART 3(2,4) Computer Graphic Design: PR: Acceptance in Graphic Design Concentration, GRA 3100C, ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. Occasional. M&S fee: $15.00

GRA 2190C CAH-ART 3(2,4) Design in Advertising: PR: ART 2201C. Principles and techniques. Not open to art majors specializing in graphic design. Intended for visual arts education majors and general university elective. Occasional. M&S fee: $5.00

GRA 3100C CAH-ART 3(2,4) Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee: $43.50

GRA 3112C CAH-ART 3(2,4) Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee: $43.50

GRA 3111C CAH-ART 3(2,4) Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring. M&S fee: $15.00


GRA 4119C CAH-ART 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. Occasional.

GRA 4154C CAH-ART 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3151C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee: $45.00

GRA 4196C CAH-ART 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3151C, 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 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review, or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. Spring. M&S fee: $15.00

GRE 1120H CAH-LANG 4(4,0) Elementary Greek Language and Civilization: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.


GRE 2220H CAH-LANG 4(4,0) Introduction to Greek Literature: PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato’s apology. May be repeated for credit. Occasional.

HAI 1120 CAH-JUD 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.


HBR 1120 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>RCHM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 1350</td>
<td>RCHM-TEA</td>
<td>Career &amp; Promotional Development in Golf: PR: HFT 1357. The developmental sequence of lifelong programs for juniors, women, and seniors; in the golf industry. Spring.</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>RCHM-TEA</td>
<td>Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>RCHM-HOS</td>
<td>Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>RCHM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>RCHM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 3261</td>
<td>RCHM-HOS</td>
<td>Restaurant Management: PR: HFT 1000 and junior standing or C.I. Discussion of the topics integral to the successful management of restaurant and food service organizations. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3273</td>
<td>RCHM-HOS</td>
<td>Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3313</td>
<td>RCHM-HOS</td>
<td>Hospitality Physical Plant Management: PR: C.I. Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.</td>
</tr>
<tr>
<td>HFT 3374</td>
<td>RCHM-TEA</td>
<td>Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>RCHM-HOS</td>
<td>Hospitality Industry Managerial Accounting: PR: HFT 2403 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>RCHM-TEA</td>
<td>Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>RCHM-HOS</td>
<td>Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3261; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3511</td>
<td>RCHM-TEA</td>
<td>Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>RCHM-TEA</td>
<td>Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>RCHM-HOS</td>
<td>Reservations Sales &amp; Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>RCHM-HOS</td>
<td>Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest's point of view in the hospitality industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>RCHM-HOS</td>
<td>Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>RCHM-TEA</td>
<td>Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>RCHM-TEA</td>
<td>Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>RCHM-TEA</td>
<td>Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3757</td>
<td>RCHM-TEA</td>
<td>Event Management: PR: HFT 1000 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&amp;S fee: $37.00</td>
</tr>
<tr>
<td>HFT 3770</td>
<td>RCHM-TEA</td>
<td>Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.</td>
</tr>
<tr>
<td>HFT 3784</td>
<td>RCHM-TEA</td>
<td>Amusement Technology: PR: HFT 1000 and HFT 4755. Exploration of various technologies utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

HFT 3785 RCHM-TEA 3(3,0) Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3792 RCHM-TEA 3(3,0) Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

HFT 3798 RCHM-TEA 3(3,0) Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3802 RCHM-TEA 3(3,0) Catering Management: PR: HFT 1000, HFT 2750. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee: $45.00

HFT 3807 RCHM-HOS 3(3,0) Multi-Unit Food Service Operations: PR: HFT 1000 and junior standing or C.I. The strategy and managerial aspects of chain restaurant management, including organization development, brand building, and industry segments.

HFT 3834 RCHM-HOS 3(3,0) Topics in Restaurant and Foodservice Management: PR: HFT 3261 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3868 RCHM-HOS 3(3,0) History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

HFT 3933 RCHM-TEA 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded SU. Fall, Spring.

HFT 3949 RCHM-RCHM 0.5(0,1-5) Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Fall, Spring.

HFT 4250C RCHM-HOS 3(3,1) Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2224; HFT 2500; HFT 3600; HFT 2750; HFT 2403; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Spring.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4462, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3261 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3261 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0) Case Studies in Multi-Unit Restaurant Management: PR: HFT 3261. Restaurant Management. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Fall.

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 4266; HFT 4268; HFT 4343; FSS 3124; FSS 4135. Teaching and training methodologies related to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HOS 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2224; HFT 2500; HFT 3600; HFT 2750; HFT 2403; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4294 RCHM-HOS 3(3,0) Hospitality Enterprises Management II: PR: C.I. Planning and implementing strategies for managing the human resource in the hospitality/tourism industry. Occasional.

HFT 4295 RCHM-TEA 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298 RCHM-TEA 3(3,0) Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation. Spring.

HFT 4343 RCHM-HOS 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2224 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) Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.

HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HOS 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HOS 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 2403, HFT 3431, and HFT 3261. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.

HFT 4432 RCHM-HOS 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Management Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4442 RCHM-HOS 3(3,0) Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522, or C.I. Automated systems necessary for owner exchange, information transmission, and financial reporting. Occasional.

HFT 4453 RCHM-HOS 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Management Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4462 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-HOS 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Even Fall.

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 marketing 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 standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


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 4717 RCHM-HOS 3(3,0) Hospitality Operations II: PR: Junior Standing. A survey of tourism, travel agency, airline, convention and trade show operations from both the U.S. and international perspective. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4752 RCHM-TEA 3(3,0) Guest Services Management II: PR: HFT 3540 or C.I. Using decision theory and analytical techniques to create and maintain quality guest services. The emphasis is on strategic implications of quality service management. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3511 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 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-TLS 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. Spring.


HFT 4786 RCHM-TEA 3(3,0) Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Fall.

HFT 4787 RCHM-TEA 3(3,0) Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.

HFT 4791 RCHM-TEA 3(3,0) Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone courses in event management. Students produce an event that has been planned in HFT 3757. Occasional.

HFT 4795 RCHM-TEA 3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staff, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: PR: HFT 1000 and HFT 2750 or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4844 RCHM-HOS 3(3,0) Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and foodborne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1) Beverage Management: PR: Minimum age of 21 by the first day of class and junior standing. The origin, production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00

HFT 4864 RCHM-HOS 3(3,0) Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, HFT 3261. Minimum age of 21. The production and service of malt beverages. Spring. M&S fee: $45.00

HFT 4865 RCHM-HOS 3(3,0) Advanced Wine Management: PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional.

HFT 4866C RCHM-HOS 3(3,1) Exploring Wines of the World: PR: HFT 1000, HFT 3261; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0) International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be repeated for credit one time. Spring.

HFT 4949 RCHM-RCHM 0-5(0,1-5) Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major related learning objectives. Fall, Spring.

HIM 3006 HPA-HP 3(3,0) Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HP 4(3,2) Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806L HPA-HP 4(0,8) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HIM 3511 and HIM 3116C. Interdepartmental experience: master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 3816L HPA-HP 4(0,8) Professional Practice Experience II: PR: HIM 3806L and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4226C HPA-HP 5(3,4) Coding Procedures I: PR: HSC 4550, HSC 3531, or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4256C HPA-HP 3(2,2) Coding Procedures II: PR: HIM 4226C or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; HCPCS; APGs; encoders. Fall, Spring.

HIM 4344C HPA-HP 4(3,2) Health Information Department Management: PR: HIM 3116C, MAN 3025. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4506 HPA-HP 3(2,2) Quality Management: PR: HIM 3116C, HIM 4226C, CR: HIM 4256C. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HP 3(2,2) Health Information Management Systems: PR: HSA 4191, HIM 4226C. Visualization of information systems, management and patient care in the healthcare industry, systems analysis, system design and project management concepts. Fall, Spring.
UCF Courses and Descriptions

HIM 4676  HPA-HP  3(3,0)  Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4838  HPA-HP  5(0,15)  Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Record Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIS 3462  CAH-HIST  3(3,0)  History of Science: PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. Occasional.

HIS 3949  CAH-HIST  0(0,8)  Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. May be repeated. Graded SAU. Occasional.

HIS 4070  CAH-HIST  3(3,0)  Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. Occasional.

HIS 4150  CAH-HIST  3(3,0)  History and Historians: PR: C.I. A study of European and/or American historiography. May be repeated once for credit. Fall, Spring.

HIS 4935  CAH-HIST  3(3,0)  Senior Seminar: PR: Senior standing, history major, and C.I. Research in History through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944  CAH-HIST  3(3,0)  Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970  CAH-HIST  3(3,0)  Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.

HIS 5067  CAH-HIST  3(3,0)  Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158  CAH-HIST  3(3,0)  Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701  ED-TLP  3(3,0)  Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.

HLP 4722  ED-TLP  3(2,1)  Teaching Elementary School Health and Physical Education: PR: Admission to Phase II or C.I. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Includes field experience. Fall, Spring.

HSA 3111  HPA-HP  3(3,0)  U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H  HPA-HP  3(3,0)  U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors consent. Occasional.

HSA 3170  HPA-HP  3(3,0)  Health Care Finance: PR: HSA 3111 or C.I. ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222  HPA-HP  3(3,0)  Long Term Care and Administration: PR: HSA 3111 or C.I. The clients, services, and administration of long-term care in specific settings. Students complete a service learning component in long-term care organizations. Even Fall, Spring.

HSA 3430  HPA-HP  3(3,0)  Health Care Economics: PR: HSA 3111; ECO 2023; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policymaker behaviors in the delivery of health services. Fall.

HSA 4010  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 4151H  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 and Management for Health Agencies: PR: HSA 3111 or C.I. Organization and management of health care agencies, including procedural applications. Fall, Spring.

HSA 4191  HPA-HP  3(3,0)  Health Care Automation: PR: HSA 3111; CGS 2000, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4201  HPA-HP  3(3,0)  Community Health: PR: HSA 3111 or C.I. Historical, sociocultural, and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.


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-COMD  6(6,0)  Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. Occasional.

HSA 4702  HPA-HP  3(3,0)  Health Sciences Research Methods: PR: HSA 3111; STA 2014C 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 process will be presented. Occasional.

HSA 5257  HPA-HP  3(3,0)  ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258  HPA-HP  3(3,0)  CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I., or BS in Health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C  HPA-HPA  2(1,1)  Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000  HPA-HP  2(2,0)  Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded SU/F. 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 1038C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

360 UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
HSC 3110C HPA-HP 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 3157 HPA-HP 3(3,0) Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3402C HPA-HP 3(2,3) CPR & First Aid: To train individuals to accept and recognize medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3531 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-COMD 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 3022C 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 4148 HPA-HP 2(2,0) Medical Pharmacology I: Drugs in pulmonary diseases; effects on nervous system, and neuroaffective, depressants & stimulants; influence on metabolism and endocrines. (MDRV) Bronchodilators, mycotics, etc. Fall.

HSC 4149 HPA-HP 2(2,0) Medical Pharmacology II: PR: HSC 4148 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4243 HPA-HP 3(3,0) Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packets. Course development, questioning strategies, evaluation of didactic and clinical performance. 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 4550 HPA-HP 3(3,0) Pathophysiologic Mechanisms: PR: ZOO 3733C and PCB 3703C, or C.I. A study of pathologic lesions and pathophysiological 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 4653 HPA-HP 3(3,0) Health Care Ethics: PR: HSA 3111 or C.I. A study of ethical issues in health care, including life-saving measures, rights to die, transplants, surrogate parenthood, privacy and confidentiality, and decision-making. Fall, Spring.

HSC 5317 ED-TLP 3(3,0) Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.

HSC 5595 HPA-HP 3(3,0) AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, ethics, hotlines, referral services and the decision making process. Occasional.

HUM 2020 CAH-PHIL 3(3,0) Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHIL 3(3,0) Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL 3(3,0) Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL 3(3,0) Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0) Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 3252 CAH-PHIL 3(3,0) Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 3255 CAH-PHIL 3(3,0) Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.
UCF Courses and Descriptions

HUM 4301 CAH-PHIL 3(3,0)
The Classical Ideal: PR: HUM 2210 and HUM 2230 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Occasional.

HUM 4303 CAH-PHIL 3(3,0)
The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. Odd Fall, Spring.

HUM 4330 CAH-PHIL 3(3,0)
Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2101, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic-performative, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL 1(1,0)
Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL 3(3,0)
Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHIL 3(3,0)
Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL 3(3,0)

HUM 4933 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL 3(3,0)
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL 3(3,0)
Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or Graduate Standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUN 2002 HPA-HP 3(3,0)
Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry, fast food outlets, food trends and hunger. Fall, Spring.

HUN 3011 HPA-NURS 3(3,0)
Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.
INP 3951 COS-PSYCH 3(0,10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of IO psychology to local organizations. Occasional.

INP 4252 COS-PSYCH 3(3,0) Advanced Industrial Psychology: PR: INP 3004 and PSY 323C. 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 5825 COS-PSYCH 3(3,0) Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software usability. Occasional.

INR 2002 COS-POLS 3(3,0) International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.


INR 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.

INR 4074 COS-POLS 3(3,0) 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.


INR 4102 COS-POLS 3(3,0) American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0) Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, polemics and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0) American Security Policy: PR: POS 2041, Junior standing or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0) Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4224 COS-POLS 3(3,0) Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0) The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Odd Spring.

INR 4243 COS-POLS 3(3,0) 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.

INR 4304 COS-POLS 3(3,0) 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.

INR 4335 COS-POLS 3(3,0) 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.

INR 4350 COS-POLS 3(3,0) 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.

INR 4351 COS-POLS 3(3,0) International Environmental Law: PR: Junior standing or C.I. Examination of international efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Odd Spring.

INR 4364 COS-POLS 3(3,0) The Intelligence Community: PR: POS 2041 or INR 2002 or CPO 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.

INR 4401 COS-POLS 3(3,0) 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, extraterritoriality, nationality, and aliens. Occasional.

INR 4402 COS-POLS 3(3,0) 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.

INR 4404 COS-POLS 3(3,0) 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.

INR 4502 COS-POLS 3(3,0) 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.

INR 4603 COS-POLS 3(3,0) International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.

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<tr>
<th>Course Code</th>
<th>Degree</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ISM 3011</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Essentials of Management Information Systems: PR: Junior standing and business major or minor, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Fall, Spring.</td>
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<tr>
<td>ISM 3011H</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Honors Management Information Systems: PR: Junior standing and business major or minor, permission of Honors, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Occasional.</td>
</tr>
<tr>
<td>ISM 3013</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Introduction to Information Systems Management: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. The Course introduces fundamental concepts and methods related to the management of information systems in organizations. Occasional.</td>
</tr>
<tr>
<td>ISM 3043</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Society and Technology: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and security, and access inequities. Occasional.</td>
</tr>
<tr>
<td>ISM 3214</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Personal Database Productivity: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. The use of databases and data products. Emphasizes modern tools for accessing organizational data, data mining and reporting. Occasional.</td>
</tr>
<tr>
<td>ISM 3253</td>
<td>BA-MIS</td>
<td>4(3,3)</td>
<td>MIS Techniques: PR: MIS major or minor, CGS 2100C. Computer use required of users and developers of management information systems. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 3424</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Computer-Aided Decision Making: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Prepares the student to use computer-based tools to assist in making organizational decisions. Also includes a component on problem solving techniques. Occasional.</td>
</tr>
<tr>
<td>ISM 3501</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Essentials of Electronic Commerce: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Basic electronic commerce and technologies. Students are required to develop an e-commerce related business plan and build a prototype Website using a tool. Occasional.</td>
</tr>
<tr>
<td>ISM 3521</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Business Applications: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. Occasional.</td>
</tr>
<tr>
<td>ISM 3530</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Quality &amp; Productivity Management: PR: MIS major or minor, GEB 3031 and MAN 3025. An examination of the principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4113</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Information Systems Analysis and Design: PR: MIS major or minor, ISM 4212C, ISM 3253. Structured approaches to the development of computer-based information systems in business. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4130</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Information Systems Implementation: PR: MIS major or minor, ISM 4113. Management of information systems development in business. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4133</td>
<td>BA-MIS</td>
<td>6(6,0)</td>
<td>Information Systems Analysis, Design, and Implementation: PR: MIS major or minor, ISM 3253, ISM 4212C. Same as ISM 4113 and ISM 4130. Comprehensive coverage of analysis, design, and Implementation of information systems. Occasional.</td>
</tr>
<tr>
<td>ISM 4154</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Enterprise Application Development: PR: ISM 4113. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.</td>
</tr>
<tr>
<td>ISM 4220</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Distributed Information Systems: PR: MIS major or minor, ISM 3253 and ISM 3011. Computer networking and communications. Managerial and technical dimensions of client/server and other modes of distributed and decentralized computing in business. Distributed database design and implementation. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4228</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Advanced Distributed Information Systems: PR: MIS major or minor, ISM 4220. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork emphasized in acquiring a master of networking concepts. Occasional.</td>
</tr>
<tr>
<td>ISM 4238</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Business Programming(OOP): PR: MIS major or minor, ISM 3253, ISM 4212C, or C.I. This course will provide an introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.</td>
</tr>
<tr>
<td>ISM 4300</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Technology Management: PR: MIS major or minor, ISM 4113, MAN 3025, Junior Standing. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4400</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Decision Support: PR: MIS major or minor, ISM 3011. Computer-based quantitative models and decision support systems in organizations. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 4941</td>
<td>BA-MIS</td>
<td>3(0,3)</td>
<td>Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011, consent of department chair. Provides student with supervised, management information systems-related work experience in a sponsoring organization. See department for information. Fall, Spring.</td>
</tr>
<tr>
<td>ISM 5020</td>
<td>BA-MIS</td>
<td>1.5(1.5,0)</td>
<td>MIS Foundations: PR: Acceptance to Graduate Study. Information systems are an integral part of modern organizations. This course provides an introduction to information systems from an organizational and managerial perspective. Occasional.</td>
</tr>
<tr>
<td>ISM 5021</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ISM 5123</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Concepts of Systems Analysis and Design: PR: Completion of ISM 5021 and Graduate Standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.</td>
</tr>
<tr>
<td>ISM 5127</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Concepts of Database Design and Administration: PR: ISM 5020 and graduate standing. MIS major or minor in term of graduation. Introduces concepts and methods related to the effective utilization of data by organizations. A database life-cycle approach is used to organize course content. Occasional.</td>
</tr>
<tr>
<td>ISM 5219</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Business Intelligence Systems: PR: All BS and MIS technical courses required for admission to the MSMIS program. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.</td>
</tr>
<tr>
<td>ISM 5256</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Concepts of Business Programming: PR: Admission to Graduate Study. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.</td>
</tr>
<tr>
<td>ISM 5315</td>
<td>BA-MIS</td>
<td>3(3,0)</td>
<td>Information Systems Project Management: PR: Graduate standing or C.I. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.</td>
</tr>
</tbody>
</table>
ISST 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 1005 CAH-MUSIC 1(1,0) Italian Diction: This course is especially designed for music and voice students, with an emphasis on musical terms, Italian songs, and opera libretti. Even Spring.

ITA 1120 CAH-LANG 4(4,1) 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 1121 CAH-LANG 4(4,1) Elementary Italian Language and Civilization II: PR: ITA 1120 or equivalent. Continuation of ITA 1120. Fall, Spring.

ITA 2200 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization I: PR: ITA 1121 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. 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 culture. 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 equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.

ITT 3480 CAH-LANG 3(3,0) Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

ITT 4956 CAH-LANG 3(3,0) Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 4957H CAH-LANG 3(3,0) Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3100 CAH-LANG 3(3,0) Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0) Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.


JOU 2100C COS-COMM 3(3,1) News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newsgathering and writing for the mass media. Fall, Spring.

JOU 3004 COS-COMM 3(3,0) History of American Journalism: Development of mass media, leading innovators, and the media role in the nation’s history. Fall, Spring.

JOU 3101 COS-COMM 3(3,0) Advanced Reporting: PR: Journalism major or Magazine Writing minor, meet Grammar Proficiency standard, and a minimum grade of “C” (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring. M&S fee: $15.00.

JOU 3201 COS-COMM 3(3,0) Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring.

JOU 3202 COS-COMM 3(3,0) Editing II: PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 3004, and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of editing, Principles of design. Practice in editing and lay-out. Fall, Spring. M&S fee: $15.00.

JOU 3313C COS-COMM 3(2,1) Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the print media; issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0) Magazine Publishing: PR: Journalism major or Magazine Writing minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Spring.

JOU 4181 COS-COMM 3(3,0) Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in both JOU 2100C and JOU 2100C. Covering sports for the print media; issues, principles, and practices. Occasional.

JOU 4211C COS-COMM 3(2,1) Informational Graphics: PR: JOU major and a minimum grade of “C” (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4223C COS-COMM 3(2,1) Page Design: PR: Journalism major and JOU 3202 or VIC 3001. Designing newspaper pages, including stories, headlines, and other content. Occasional.

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. 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 4340C COS-COMM 3(1,3) On-line Journalism I: PR: A minimum grade of “C” (2.0) in JOU 2100C, and PUR 3100. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.


JOU 4700 COS-COMM 3(3,0) Journalism Ethics: PR: MMC 4200. Ethical problems, codes, and practices in newsrooms. Occasional.

Joshua.

The nature of man-woman interactions in ancient focusing on the depiction of human feelings of love and relat-
ing. The dimensions of romantic love in the Hebrew Bible, 366

JST 3312H CAH-JUD 3 (3,0) Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew lit-
erature of the 18th and 19th centuries as related to the intel-
lectual quest for Jewish identity and modernism. With Honors content. Occasional.

JST 3401 CAH-JUD 3 (3,0) The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Greco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD 3 (3,0) The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.

JST 3450 CAH-JUD 3 (3,0) Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experi-
ence in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD 3 (3,0) 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.

JST 3550 CAH-JUD 3 (3,0) Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th cen-
tury, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3701 CAH-JUD 3 (3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3 (3,0) Literature of the Holocaust: A study of the traumatic expe-
rience of the Holocaust in Europe as expressed and depict-
ded in contemporary Jewish and Hebrew Literature. Occasional.

JST 3810 CAH-JUD 3 (3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relation-
ship to modern anti-semitism, through analysis of European Jewish history and society. Occasional.

JST 3820 CAH-JUD 3 (3,0) Modern Hebrew Culture: The Development of the State of Israel. Political and ideological struggle for the establish-
ment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

LA 3414 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.

LA 3414 ED-TLP 3 (3,0) Language Arts in the Elementary School: PR: EDG 4233 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.

LA 3432 ED-TLP 3 (3,0) Teaching Language and Composition: PR: EDG 4323; CR: LA 3430 and ESE 3940. Techniques and methods in teaching grammar, usage, dialect, and composition; includes meeting the needs of the new English language learner. Fall, Spring.

LA 3460 ED-TLP 4 (3,2) English Instructional Analysis: PR: EDG 4323. Course objectives for a school curriculum and methods and materi-
als which have special application for teaching English at the middle grades and high school. Fall, Spring.

LA 3461 ED-TLP 3 (3,0) Literacy Strategies for Middle and High School: PR: EDG 4323 or EVT 5385 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand cont-	ent reading. Fall, Odd Spring.

LA 3464 ED-TLP 3 (3,0) Survey of Adolescent Literature: This course is designed to explore adolescent literature from both an educational and an historical perspective. Fall.

LA 5195 ED-TLP 3 (3,0) CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

LA 5295 ED-TLP 1-3 (1-3,0) Writing Workshop I: PR: C.I. Students will engage in exploration and practice of effective writing strategies. May include teaching small groups of students. May be repeated for credit. Fall, Spring.

LA 5319 ED-TLP 3 (3,0) Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

LA 5337 ED-TLP 3 (3,0) Literacy Strategies for Middle and Secondary Teaching: PR: EDG 6236 or C.I. Designed to assist teachers and gradu-
ate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and sec-
ondary literacy programs. Occasional.

LA 5338 ED-TLP 3 (3,0) Teaching Writing in Middle and High School: PR: EDG 6236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. Fall, Spring.

LA 5346 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.

LA 5367 CAH-ENG 3 (3,0) English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for second-
ary school teachers preparing to teach Advanced Placement courses. Occasional.

LA 5415 ED-TLP 3 (3,0) Children’s Literature in Elementary Education: Survey of children’s literature: criteria for selection according to liter-
ary elements; child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.
LAT 1121 CAH-LANG 4(4,1)
Elementary Latin Language and Civilization I: PR: LAT 1120 or equivalent. Continuation of LAT 1120. Fall.

LAT 1121H CAH-LANG 4(4,1)
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LIN 3010 CAH-ENG 3(3,0)

LIT 3640 COS-PSYCH 3(3,0)
Psychology of Oral Communication: Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

LIT 3716 HPA-COMD 3(3,0)
Language Development: Birth Through 8 Years.: PR: DEP 2004. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIT 3717 HPA-COMD 3(3,0)
Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIT 4100 CAH-ENG 3(3,0)

LIT 4615 CAH-ENG 3(3,0)

ACC 1001 ACC-Audit 3(3,0)

ACC 2002 ACC-Audit 3(3,0)
**UCF Courses and Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT 3313H</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.</td>
</tr>
<tr>
<td>LIT 3383H</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3394</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.</td>
</tr>
<tr>
<td>LIT 3394H</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.</td>
</tr>
<tr>
<td>LIT 3482</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Literature &amp; Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3905</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3911H</td>
<td>CAH-ENG</td>
<td>1(1,0)</td>
<td></td>
<td>Research Methods — Honors: PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. Occasional.</td>
</tr>
<tr>
<td>LIT 4043</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Modern Drama As Literature: PR: ENC 1102 and ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.</td>
</tr>
<tr>
<td>LIT 4184</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Irish Literature: PR: ENC 1102 and ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.</td>
</tr>
<tr>
<td>LIT 4303</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Post-World War II Fiction: PR: ENC 1102 and ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.</td>
</tr>
<tr>
<td>LIT 4374</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Literature of the Bible: PR: ENC 1102 or ENG 3014 or C.I. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.</td>
</tr>
<tr>
<td>LIT 4374H</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>LIT 4433</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Advanced Feminist Theories: PR: ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.</td>
</tr>
<tr>
<td>LIT 4937H</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and/or literature with an emphasis on creative and critical abilities. Occasional.</td>
</tr>
<tr>
<td>LIT 5028</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>LIT 5039</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Studies in Contemporary Poetry: PR: Graduate status or senior standing or C.I. English language poetry from 1945 to the present. Emphasis will be on American poets, but others such as English or Australian will be included. Occasional.</td>
</tr>
<tr>
<td>LIT 5097</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Studies in Contemporary Fiction: PR: Graduate status or senior standing or C.I. Fiction in the last 20 years in the United States and Britain. May be repeated for credit when content is different. Occasional.</td>
</tr>
<tr>
<td>LIT 5250</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. Occasional.</td>
</tr>
<tr>
<td>LIT 5269</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.</td>
</tr>
<tr>
<td>LIT 5309</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.</td>
</tr>
<tr>
<td>LIT 5366</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>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 1796 to 1852. Occasional.</td>
</tr>
<tr>
<td>LIT 5387</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>LIT 5389</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Studies in Gender &amp; 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.</td>
</tr>
<tr>
<td>LIT 5394</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Literature of Popular Culture: PR: Permission of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.</td>
</tr>
<tr>
<td>LIT 5435</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Rhetoric of Science: PR: Graduate standing or C.I. To engage in rhetorical analysis of traditional scientific texts and critically examine the discourse of technology. Occasional.</td>
</tr>
<tr>
<td>LIT 5556</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td></td>
<td>Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from &quot;French Feminism&quot; to &quot;Critical Race Theories.&quot; Occasional.</td>
</tr>
<tr>
<td>MAA 4227</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.</td>
</tr>
<tr>
<td>MAA 5120</td>
<td>COS-MATH</td>
<td>4(4,0)</td>
<td></td>
<td>Topics in Advanced Calculus: PR: MAA 4226 or equivalent, graduate status or senior standing, or C.I. Topics in multivariable calculus, including limits, continuity, integration, differentiation, Taylor’s theorem, inverse and implicit function theorems. Fall.</td>
</tr>
<tr>
<td>MAA 5405</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>Complex Variables: PR: MAC 2313, and graduate status or senior standing or C.I. Analytic functions. Integration in the complex plane. Laurent series and residue calculus. Inversion of Laplace transformations. Conformal mappings. Applications in engineering and the physical sciences. Fall.</td>
</tr>
<tr>
<td>MAA 5416</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>Foundations of Analysis: PR: MAA 4226, and graduate status or senior standing or C.I. Topological spaces, compactness results, connectedness, analytical and differentiable manifolds, topological groups, Lie groups, representation theory for classical groups, Green, Stokes and Gauss’ theorems. Odd Spring.</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>College Algebra: PR: Intermediate algebra or 2 years of high school algebra or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations, matrices, determinants, induction. This course prepares students for higher-level mathematics courses. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>MAC 1105H</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The &quot;NC&quot; grading policy applies to this course. Occasional.</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td></td>
<td>College Trigonometry: PR: MAC 1105 or 2 years of high school algebra or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
</tbody>
</table>
MAC 2147 COS-MATH 5(5,0) Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0) Concepts of Calculus: PR: MAC 1105 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 2111. The "NC" grading policy applies to this course. Fall, Spring.

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 2255 COS-MATH 3(3,0) Applied Calculus II: PR: MAC 2253 or MAC 2111. Continuation of MAC 2253. Fall, Spring.

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: MAC 1105 and MAC 1114 or C.I. The differential and integral calculus of algebraic and elementary transcendental functions with geometric and physical applications. Topics from analytic geometry include coordinate systems, vectors, lines, conic sections, transformations of coordinates, and polar coordinates. During the 2nd and 3rd semesters the topics also include sequences and series, Taylor series, and the differential and integral calculus for functions of several variables. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Calculus with Analytic Geometry I (Honors): PR: Permission of Honors. Differential and integral calculus, emphasizing understanding basic concepts and their applications. Students will complete projects on their own. For honors students from all disciplines, The "NC" grading policy applies to this course. Occasional.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Continuation of MAC 2311. Fall, Spring.


MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Continuation of MAC 2312. Fall, Spring.


MAC 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 4(4,0) Combinatorics and Graph Theory I: PR: MAC 2232, STA 2023, and MTH 3302. Counting principles, inclusion/exclusion principle, recurrence relations, generating functions, properties of graphs and digraphs, trees, path problems, coloring planarity, connectingness matchings and coverings, applications. Fall.

MAC 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; costing theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAC 2801 ED-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAC 4300 ED-CFCS 3(3,0) Exploring Mathematics: PR: MAC 2201 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.

MAC 4302 ED-TLP 4(3,1) How Children Learn Mathematics: PR: MAC 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.


MAC 5318 ED-TLP 3(3,0) Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement, instructional materials. (Meets Elementary Education certification requirements.). Fall, Spring.

MAC 5327 ED-TLP 3(3,0) Teaching Middle School Mathematics: PR: EDG 6226 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESL, and manipulatives is considered. Occasional.

MAC 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAC 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025 BA-MAN 3(3,0) Management of Organizations: PR: Junior standing and business major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 3(3,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Management major, MAN 3025, Junior Standing. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.

MAN 4029 BA-MAN 3(3,0) Human Resource Recruitment and Selection: PR: Management major, Junior standing. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group and intergroup problems in business organizations. Fall, Spring.

MAN 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Fall, Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3025. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.
MAN 4201 Fall
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.

MAN 4401 Fall, Spring
Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 4521 Fall, Spring
Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 Fall, Spring
International Management: PR: Management major, GEB 4361. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 Fall, Spring
Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 Fall, Spring
Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403 and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4720H Fall, Spring

MAN 4802 Fall, Spring
Entrepreneurship: PR: GEB 3031 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.

MAN 4804 Fall, Spring
Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 4941 Fall, Spring
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. NOTE: MAN 4941 may not be counted for restricted elective credit in management. May be repeated for credit. Occasional.

MAN 5021 Fall, Spring
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 Fall, Spring

MAN 5867 Fall, Spring
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.

MAP 2302 Fall, Spring

MAP 2302H Fall, Spring

MAP 3401 Fall, Spring
Problem Analysis: PR: MAC 2311 or 2312 or 2353 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 4103 Fall, Spring

MAP 4153 Fall, Spring
Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 421 Fall, Spring

MAP 4307 Fall, Spring

MAP 4363 Fall, Spring

MAP 4364 Fall, Spring

MAP 4371 Fall, Spring

MAP 5106 Fall, Spring
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2523, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 Fall, Spring
Mathematical Modeling: PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5336 Fall, Spring
Ordinary Differential Equations and Applications: PR: MAP 2302, 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.

MAP 5385 Fall, Spring
Applied Numerical Mathematics: PR: MAP 2302, graduate status or senior standing, or C.I. Classical topics or numerical analysis and their applications, Romberg integration, Richardson extrapolation, Gaussian quadrature schemes. Spring.

MAP 5396 Fall, Spring
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.

MAP 5404 Fall, Spring
Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5407 Fall, Spring
Applied Mathematics I: PR: MAP 2302, and graduate status or senior standing or C.I. Calculus of variations, Hamilton's principle, Rayleigh-Ritz method, Sturm-Liouville theory, Green's functions for ordinary differential equations, introduction to integral equations. Fall.

MAP 5426 Fall, Spring
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 Fall, Spring
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.

UCF Courses and Descriptions
MAP 5514 COS-MATH 3(3,0)  
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 of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1.0)  
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 3(3,0)  
Marketing: PR: Junior standing and appropriate major or minor. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)  
Marketing - Honors: PR: Junior standing and business major or minor, permission of Honors. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3323 BA-MAR 3(3,0)  
Integrated Marketing Communication: PR: Marketing major or minor, MAR 3023. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0)  
Professional Selling: PR: Marketing major or minor, MAR 3023. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.

MAR 3403 BA-MAR 3(3,0)  
Sales Force Management: PR: Marketing major or minor, MAR 3023. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0)  
Customer Behavior: PR: Marketing major or minor, MAR 3023. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.

MAR 3613 BA-MAR 3(3,0)  
Marketing Analysis and Research: PR: Appropriate major or minor, MAR 3023, and one of the following: ECO 3401, ECO 3411, STA 2023, STA 3023. 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: Marketing major or minor, MAR 3023. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3880 BA-MAR 3(3,0)  
E-Marketing: PR: Marketing major or minor, MAR 3023, COS 2100C. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.
UCF Courses and Descriptions

MCB 3203 BCBS-M&M 3(3,0)
Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L BCBS-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

MCB 3522H BCBS-M&M 3(3,0)

MCB 4114C BCBS-M&M 4(3,3)

MCB 4312 BCBS-M&M 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4414 BCBS-M&M 3(3,0)
Microbial Metabolism: PR: MCB 3020C; CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MCB 4503C BCBS-M&M 3(3,0)

MCB 4603 BCBS-M&M 3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 5205 BCBS-M&M 3(3,0)
Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5225 BCBS-M&M 3(3,0)

MCB 5505 BCBS-M&M 3(3,0)
Molecular Virology: PR: graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 BCBS-M&M 3(3,0)
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems. Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. Fall.

MCB 5654 BCBS-M&M 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5932 BCBS-M&M 3(3,0)
Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MGF 1106 COS-MATH 3(3,0)
Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structures, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall, Spring.

MHF 3302 COS-MATH 3(3,0)

MHF 4404 COS-MATH 3(3,0)

MHS 2330 ED-CFCS 3(3,0)
Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-CFCS 3(3,0)
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 322OCBCBS-M&M 3(3,3)
Techniques in Clinical Microscopy: Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 3305 BCBS-M&M 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L BCBS-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 BCBS-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 BCBS-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C BCBS-M&M 1(1,2)
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C BCBS-M&M 2(1,3)
Clinical Parasitology: PR: Admission to the professional phase of the MLS program or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C BCBS-M&M 5(3,6)
Clinical Pathogenic Microbiology: PR: or CR: MCB 3203 and admission to the professional phase of the MLS program. Isolation and pathogenic bacteria and serological methods; interpretation of abnormal results, with correlation to disease. Spring. M&S fee: $45.00

MLS 4505C BCBS-M&M 3(3,0)

MLS 4550 BCBS-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $15.00

MLS 4625 BCBS-M&M 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2210. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L BCBS-M&M 1(0,3)
Advanced Clinical Chem I Lab: PR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall.

MLS 4630 BCBS-M&M 3(3,0)
Advanced Clinical Chemistry II: PR: Admission to professional phase of MLS or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4630L BCBS-M&M 1(0,3)

MLS 4830C BCBS-M&M 4(4,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. Fall. M&S fee: $15.00

MLS 4831C BCBS-M&M 4(4,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4650, MLS 4656C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00

MLS 4832C BCBS-M&M 4(4,8)
Interpretive & Practical Hematology: PR: Admission to the the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiologic correlation to hematologic disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee: $15.00
MUC 3105C CAH-MUSIC 2(1,1) Composition II: PR: MUC 1101C and MUC 2104C. Continuation of Composition I. Competence determined by faculty jury. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2,2) MIDI Sequencing I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83.

MUC 4106C CAH-MUSIC 2(1,1) Composition IV: PR: MUC 1101C, MUC 2104C, MUC 3105C. Continuation of Composition III. Competence determined by faculty jury. Fall, Spring.

MUC 4313 CAH-MUSIC 3(3,0) MIDI Sequencing III: PR: MUC 4441. Junior standing or C.I. Technical aspects of MIDI usage, including MIDI specification, sysex, and MIDI machine control. Occasional.

MUC 4441 CAH-MUSIC 3(3,0) MIDI Sequencing II: PR: MUC 3111, Junior standing, and C.I. Continuation of sequencing, sampling, and interactive digital music technology. Spring. M&S fee: $15.83.

MUC 4611C CAH-MUSIC 3(2,1) Computer Animation and Digital Music: PR: MUC 4441 or FIL 3286C and C.I. Music students and computer animation students work collaboratively to produce animation projects with original musical scores and sound effects. Occasional.


MUE 1291 CAH-MUSIC 1(0,1) Classroom Instruments: Instruction in recorder and guitar, as it applies to classroom usage for music educators. Odd Fall.

MUE 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUED major, Junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring.

MUE 2450 CAH-MUSIC 1(1,0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUED major, Junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUED major, Junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00.
UCF Courses and Descriptions

MUE 3210 ED-TLP 3(2,1)
Music in the Elementary School: Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 4311 ED-TLP 2(2,0)
Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TLP 2(2,0)
Secondary School Music Methods: PR: MUE 4111 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program; evaluation materials and procedures. Spring.

MUE 4350 ED-TLP 2-3(2-3,0)

MUE 4480C CAH-MUSIC 1(1,1)

MUE 4481 CAH-MUSIC 1(1,0)
Jazz Pedagogy: PR: Music major, MUT 1112 and C.I. Methods, materials, and resources for teaching jazz ensembles and improvisation at the secondary school level. Occasional.

MUE 4963 CAH-MUSIC 0(1,0)
Music Education Pre-Professional Interview: PR: Internship I. Demonstration of comprehensive music education skills and knowledge. Graded S/U. May be repeated one time. Occasional.

MUE 5348C ED-TLP 4(4,0)

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC 3(1,0)

MUG 3302 CAH-MUSIC 2(1,1)

MUG 4103C CAH-MUSIC 2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building. Interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUG 4104C CAH-MUSIC 2(1,1)
Advanced Choral: PR: Consent of instructor. Study of advanced choral techniques. Selection of materials and program-building. Interpretation of scores. Study and performance of selected works. May be repeated for credit. Occasional.

MUL 2017 CAH-MUSIC 3(3,0)

MUL 2720 CAH-MUSIC 3(3,0)

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2100 or MUT 2112 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 3432 CAH-MUSIC 2(2,0)
String Literature: PR: Music major and C.I. Survey of string solo/chamber music literature from the 16th century to the present. Odd Fall.

MUL 3441 CAH-MUSIC 2(2,0)
Woodwind Literature: PR: Junior standing, C.I. Music major. Survey of woodwind literature from the 16th century to the present. Fall.

MUL 3442 CAH-MUSIC 2(2,0)
Brass Literature: PR: Music major (Brass). Junior standing, C.I. Survey of brass solo/ensemble literature from 16th century to present. Even Fall.

MUL 3463 CAH-MUSIC 2(2,0)

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.

MUM 5806 CAH-MUSIC 3(3,0)
Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2023 CAH-MUSIC 1(0,2)

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.
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: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee: $10.00

MUN 3143 CAH-MUSIC 1(0,4)
Wind Ensemble: 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: $10.00

MUN 3283 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee: $5.00

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: $5.00

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: $5.00

MUN 3343 CAH-MUSIC 1(0,3)
Madrigal Singers: PR: Music or Digital Media major or C.I. Preparation and performance of music for small ensembles. May be repeated for credit. Fall, Spring, M&S fee: $5.00

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: $5.00

MUN 3430 CAH-MUSIC 1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee: $5.00

MUN 3433 CAH-MUSIC 1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3443 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $35.00

MUN 3444 CAH-MUSIC 1(1,0)
Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee: $35.00

MUN 3453 CAH-MUSIC 1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring.

MUN 3483 CAH-MUSIC 1(0,2)
String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3713 CAH-MUSIC 1(0,4)
Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $8.00

MUN 3714 CAH-MUSIC 1(0,2)
Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3717 CAH-MUSIC 1(0,3)
JazzPop Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3723 CAH-MUSIC 1(0,3)
Vocal Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1)
Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 4476 CAH-MUSIC 1(0,2)
Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUS 1201 CAH-MUSIC 1(1,0)
European Diction: A survey of French, German and Italian diction for music educators. Even Fall.

MUS 1201 CAH-MUSIC 1(1,0)
European Diction: A survey of French, German and Italian diction for music educators. Even Fall.

MUS 2360C CAH-MUSIC 3(2,2)
Music Forum: A study of the historical development of popular music. Includes lectures, recordings, and analysis of music. Fall, Spring, M&S fee: $15.83

MUS 1952C CAH-MUSIC 3(3,0)

MUS 2360C CAH-MUSIC 3(2,2)
Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring. M&S fee: $15.83

MUS 3953 CAH-MUSIC 0(1,0)
Recital Performance I: PR: Senior level applied music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded SU. May be repeated one time. Fall, Spring.

MUS 4293 CAH-MUSIC 1(1,0)
Music Theatre Ensemble: PR: Junior standing and C.I. Rehearse, study, and preparation of musical theatre score for pit orchestra and off-stage singers, culminating in public performance with University Theatre. May be repeated for credit. Occasional.

MUS 4330 CAH-MUSIC 2(1,1)

MUS 4347C CAH-MUSIC 3(2,0)
Digital Notation: PR: MUC 3311. Work on projects utilizing computer notational software applications. Spring. M&S fee: $15.00

MUS 4401 CAH-MUSIC 2(1,1)
Studio Teaching: PR: C.I. Management of the music studio; responsibilities and techniques of private instruction for the studio teacher; principles of psychology of music. May be repeated for credit. Occasional.

MUS 4543C CAH-MUSIC 5(3,2)
Digital Music Project: PR: MUC 3311 and MUC 4441, or C.I. Individual work on media related audio projects with emphasis on artist's technical skills. Occasional.

MUS 4635C CAH-MUSIC 3(2,2)

MUS 4645C CAH-MUSIC 3(2,2)
Music Production Techniques: PR: MUC 3311, MUC 4441, MUC 4612C, MUC 4655C. Audio and video film post production process with the video recording format. Audio and multi-media technologies will be used in the synchronization of SMPTE time code. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded SU. May repeat one time. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUT 1002 CAH-MUSIC 3(3,0)

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music II: Basic music theory and reading music at the keyboard. Fall.

MUT 1111 CAH-MUSIC 2(2,1)

MUT 1112 CAH-MUSIC 2(2,1)

MUT 1241 CAH-MUSIC 1(0,2)
Ear Training and Sight Singing I: Aural and visual/verbal comprehension of elements of music - rhythm, melody, harmony, form. Intended to be taken with MUT 1111. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1242</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Ear Training and Sight-Singing I: PR: MUT 1241. Continuation of MUT 1241. Intended to be taken with MUT 1112. Spring.</td>
</tr>
<tr>
<td>MUT 2246</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Ear Training and Sight Singing IIA: PR: MUT 2112. Continuation of MUT 2142. Intended to be taken with MUT 2116. Fall.</td>
</tr>
<tr>
<td>MUT 2247</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Ear Training and Sight Singing IIB: PR: MUT 2117. Continuation of MUT 2246. Intended to be taken with MUT 2117. Spring.</td>
</tr>
<tr>
<td>MUT 3170</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Theory I: PR: MUT 1111, MUT 1112, MUT 1241, MUT 1242. Examine traditional harmony, melody, and rhythm. Fall.</td>
</tr>
<tr>
<td>MUT 3171</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Jazz Theory II: PR: MUT 3170. Continuation of Jazz Theory I; examining jazz harmony, melody, and rhythm. Odd Fall.</td>
</tr>
<tr>
<td>MUT 3401</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Counterpoint: PR: MUT 2117. Discuss, analyze, and write counterpoint exercises. 18th, 19th, and 20th scores will be examined. Even Spring.</td>
</tr>
<tr>
<td>MUT 3571</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>20th Century Musical Analysis: PR: MUT 2116 and MUT 2117 or equivalent. Overview of 20th century music, including musical compositions, techniques of musical analysis, and styles. Fall.</td>
</tr>
<tr>
<td>MUT 3622</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Analytical Approaches to Musical Rhythm: PR: MUT 2117 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.</td>
</tr>
<tr>
<td>MUT 3641</td>
<td>CAH-MUSIC</td>
<td>2(0,2)</td>
<td>Jazz Improvisation I: PR: MUT 3171, Junior standing or C.I. Jazz improvisation with an emphasis on listening, harmony, arranging, and jazz forms. Melodic and harmonic dictation at the keyboard. Odd Fall.</td>
</tr>
<tr>
<td>MUT 3642</td>
<td>CAH-MUSIC</td>
<td>2(0,2)</td>
<td>Jazz Improvisation II: PR: MUT 3641 Junior standing or C.I. A continuation of Jazz Improvisation I. Even Spring.</td>
</tr>
<tr>
<td>MUT 4031</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>MUT 4344</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Seminar in Music Arranging: Scoring for choral and instrumental ensembles. Occasional.</td>
</tr>
<tr>
<td>MUT 5381</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.</td>
</tr>
<tr>
<td>MUT 1211</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>Secondary Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1212</td>
<td>CAH-MUSIC</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>MUT 1213</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>Secondary Trombone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1214</td>
<td>CAH-MUSIC</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>MUT 1215</td>
<td>CAH-MUSIC</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>MUT 1411</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1412</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1413</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1414</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Baritone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 1415</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.</td>
</tr>
<tr>
<td>MUT 2421</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trumpet II: PR: MUT 1411 and competence determined by faculty jury. Continuation of MUT 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 2422</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>French Horn II: PR: MV 1412 and competence determined by faculty jury. Continuation of MUT 1412. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 2423</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trombone II: PR: MUT 1413 and competence determined by faculty jury. Continuation of MUT 1413. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 2424</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Baritone II: PR: MUT 1414 and competence determined by faculty jury. Continuation of MUT 1414. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 2425</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Tuba II: PR: MUT 1415 and competence determined by faculty jury. Continuation of MUT 1415. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 3431</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trumpet III: PR: MUT 2421 and competence determined by faculty jury. Continuation of MUT 2421. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 3432</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>French Horn III: PR: MUT 2422 and competence determined by faculty jury. Continuation of MUT 2422. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 3433</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trombone III: PR: MUT 2423 and competence determined by faculty jury. Continuation of MUT 2423. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 3434</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Baritone III: PR: MUT 2424 and competence determined by faculty jury. Continuation of MUT 2424. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 3435</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Tuba III: PR: MUT 2425 and competence determined by faculty jury. Continuation of MUT 2425. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4441</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trumpet IV: PR: MUT 3431 and competence determined by faculty jury. Continuation of MUT 3431. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4442</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>French Horn IV: PR: MUT 3432 and competence determined by faculty jury. Continuation of MUT 3432. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4443</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Trombone IV: PR: MUT 3433 and competence determined by faculty jury. Continuation of MUT 3433. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4444</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Baritone IV: PR: MUT 3434 and competence determined by faculty jury. Continuation of MUT 3434. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4445</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Tuba IV: PR: MUT 3435 and competence determined by faculty jury. Continuation of MUT 3435. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUT 4640</td>
<td>CAH-MUSIC</td>
<td>2(2,0)</td>
<td>Brass Pedagogy: PR: Music major and C.I. Methods and materials for teaching instruments in a small group or studio setting. Odd Spring.</td>
</tr>
</tbody>
</table>
**UCF Courses and Descriptions**

- **MVB 5451** CAH-MUSIC 2(1,0) **Trumpet V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

- **MVB 5452** CAH-MUSIC 2(1,0) **French Horn V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

- **MVB 5453** CAH-MUSIC 2(1,0) **Trombone V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

- **MVB 5454** CAH-MUSIC 2(1,0) **Baritone V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

- **MVB 5455** CAH-MUSIC 2(1,0) **Tuba V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

- **MVK 1111** CAH-MUSIC 1(0,2) **Class Piano I:** Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

- **MVK 1211** CAH-MUSIC 1(0,1) **Secondary Piano:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVK 1213** CAH-MUSIC 1(1,1) **Secondary Organ:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in organ. Intended for non-music majors. May be repeated for credit. Occasional.

- **MVK 1411** CAH-MUSIC 2(1,1) **Piano II:** PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

- **MVK 1413** CAH-MUSIC 2(1,1) **Organ II:** PR: Major in music or consent of chairperson; audition. May be repeated for credit. Occasional.

- **MVS 1216** CAH-MUSIC 1(0,1) **Secondary Bass:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1217** CAH-MUSIC 1(0,1) **Secondary Cello:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1212** CAH-MUSIC 1(0,1) **Secondary Violin:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1213** CAH-MUSIC 1(0,1) **Secondary Violin:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1214** CAH-MUSIC 1(0,1) **Secondary Violin:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1215** CAH-MUSIC 1(0,1) **Secondary Viola:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.

- **MVS 1216** CAH-MUSIC 1(0,1) **Secondary Violin:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continuation of MVS 2421. May be repeated for credit. Fall, Spring.

MVS 3432 CAH-MUSIC 2(1,1)
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continuation of MVS 2422. May be repeated for credit. Fall, Spring.

MVS 3433 CAH-MUSIC 2(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continuation of MVS 2423. May be repeated for credit. Fall, Spring.

MVS 3434 CAH-MUSIC 2(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continuation of MVS 2424. May be repeated for credit. Fall, Spring.

MVS 3435 CAH-MUSIC 2(1,1)
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continuation of MVS 2425. May be repeated for credit. Fall, Spring.

MVS 3436 CAH-MUSIC 2(1,1)
Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continuation of MVS 2426. May be repeated for credit. Fall, Spring.

MVS 4441 CAH-MUSIC 2(1,1)
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Continuation of MVS 3431. May be repeated for credit. Fall, Spring.

MVS 4442 CAH-MUSIC 2(1,1)
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Continuation of MVS 3432. May be repeated for credit. Fall, Spring.

MVS 4443 CAH-MUSIC 2(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Continuation of MVS 3433. May be repeated for credit. Fall, Spring.

MVS 4444 CAH-MUSIC 2(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Continuation of MVS 3434. May be repeated for credit. Fall, Spring.

MVS 4445 CAH-MUSIC 2(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Continuation of MVS 3435. May be repeated for credit. Fall, Spring.

MVS 4446 CAH-MUSIC 2(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Continuation of MVS 3436. May be repeated for credit. Fall, Spring.

MVS 4640 CAH-MUSIC 2(2,0)

MVS 5451 CAH-MUSIC 2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 1411 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVV 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1873 CAH-MUSIC 1(0,1)

MVV 2322 CAH-MUSIC 1(1,0)
Singing Broadway: PR: Concurrent enrollment in MVV 1411 or MVV 2421 or MVV 3431 or MVV 4441. Hearing and singing the American music called "Broadway." Students learn singing techniques utilizing principles of the Italian "Bel Canto" school. May be repeated for credit. Occasional.

MVV 2421 CAH-MUSIC 2(1,1)
Voice II: PR: MVV 3431 and competence determined by faculty jury. Continuation of MVV 3431. Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 3431 CAH-MUSIC 2(1,1)
Voice III: PR: MVV 2421 and competence determined by faculty jury. Continuation of MVV 2421. May be repeated for credit. Fall, Spring.

MVV 4640 CAH-MUSIC 1(0,1)

MVV 1211 CAH-MUSIC 1(0,1)

MVV 1212 CAH-MUSIC 1(0,1)

MVV 1213 CAH-MUSIC 1(0,1)

MVV 1214 CAH-MUSIC 1(0,1)

MVV 1215 CAH-MUSIC 1(0,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1411 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.
MWW 1414 CAH-MUSIC 2(1,1) Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MWW 1415 CAH-MUSIC 2(1,1) Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MWW 2421 CAH-MUSIC 2(1,1) Flute I: PR: MWW 1411 and competence determined by faculty jury. Continuation of MWW 1411. May be repeated for credit. Fall, Spring.

MWW 2422 CAH-MUSIC 2(1,1) Oboe I: PR: MWW 1412 and competence determined by faculty jury. Continuation of MWW 1412. May be repeated for credit. Fall, Spring.

MWW 2423 CAH-MUSIC 2(1,1) Clarinet II: PR: MWW 1413 and competence determined by faculty jury. Continuation of MWW 1413. May be repeated for credit. Fall, Spring.

MWW 2424 CAH-MUSIC 2(1,1) Bassoon II: PR: MWW 1414 and competence determined by faculty jury. Continuation of MWW 1414. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MWW 2425 CAH-MUSIC 2(1,1) Saxophone II: PR: MWW 1415 and competence determined by faculty jury. Continuation of MWW 1415. May be repeated for credit. Fall, Spring.

MWW 3431 CAH-MUSIC 2(1,1) Flute III: PR: MWW 2421 and competence determined by faculty jury. Continuation of MWW 2421. May be repeated for credit. Fall, Spring.

MWW 3432 CAH-MUSIC 2(1,1) Oboe III: PR: MWW 2422 and competence determined by faculty jury. Continuation of MWW 2422. May be repeated for credit. Fall, Spring.

MWW 3433 CAH-MUSIC 2(1,1) Clarinet III: PR: MWW 2423 and competence determined by faculty jury. Continuation of MWW 2423. May be repeated for credit. Fall, Spring.

MWW 3434 CAH-MUSIC 2(1,1) Bassoon III: PR: MWW 2424 and competence determined by faculty jury. Continuation of MWW 2424. May be repeated for credit. Fall, Spring.

MWW 3435 CAH-MUSIC 2(1,1) Saxophone III: PR: MWW 2425 and competence determined by faculty jury. Continuation of MWW 2425. May be repeated for credit. Fall, Spring.

MWW 3630 CAH-MUSIC 2(2,0) Woodwind Pedagogy: PR: C.I. Methods, materials for teaching individual wind instruments. Even Fall.

MWW 4441 CAH-MUSIC 2(1,1) Flute IV: PR: MWW 3431 and competence determined by faculty jury. Continuation of MWW 3431. May be repeated for credit. Fall, Spring.

MWW 4442 CAH-MUSIC 2(1,1) Oboe IV: PR: MWW 3432 and competence determined by faculty jury. Continuation of MWW 3432. May be repeated for credit. Fall, Spring.

MWW 4443 CAH-MUSIC 2(1,1) Clarinet IV: PR: MWW 3433 and competence determined by faculty jury. Continuation of MWW 3433. May be repeated for credit. Fall, Spring.

MWW 4444 CAH-MUSIC 2(1,1) Bassoon IV: PR: MWW 3434 and competence determined by faculty jury. Continuation of MWW 3434. May be repeated for credit. Fall, Spring.

MWW 4445 CAH-MUSIC 2(1,1) Saxophone IV: PR: MWW 3435 and competence determined by faculty jury. Continuation of MWW 3435. May be repeated for credit. Fall, Spring.

MWW 5451 CAH-MUSIC 2(1,0) Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWW 5452 CAH-MUSIC 2(1,0) Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWW 5453 CAH-MUSIC 2(1,0) Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWW 5454 CAH-MUSIC 2(1,0) Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWW 5455 CAH-MUSIC 2(1,0) Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 HPA-NURS 2(2,0) Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5004L. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. Fall, Spring.

NGR 5004L HPA-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 HPA-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 HPA-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 5195C HPA-NURS 3(2,1) International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

NGR 5252 HPA-NURS 3(3,0) Psycho-Social Factors and Health Care Outcomes in the Elderly: PR: Post-baccalaureate or graduate status or C.I. Interdisciplinary perspective to examine the relationship between client characteristics, client health care provider interactions and health care outcomes in the elderly. Occasional.

NGR 5635 HPA-NURS 3(3,0) Transdisciplinary and Community-Based Strategies of Health Professionals: PR: Graduate standing or C.I. A study of healthcare issues and strategies encountered by speech-language pathologists and nurse practitioners when promoting transdisciplinary and collaborative interactions. Occasional.

NGR 5637 HPA-NURS 3(3,0) Advanced Practice Nursing in Rural Settings: PR: Graduate student in COHPA. Focus is on advance practice nursing in rural environments and delivery services within constraints of sparse resources and geographical remoteness. Occasional.

NGR 5638 HPA-NURS 3(3,0) Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different US populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5714 HPA-NURS 3(3,0) Clinical Teaching Strategies for Health Professional Education: PR: EDG 6236 or Teaching Strategies for Health Professionals, or C.I. In depth study of the development, implementation, and evaluation of clinical education programs for health profession students. May be repeated for credit. Occasional.

NGR 5715 HPA-NURS 3(3,0) Instructional Technology Resources for Health Professional Education: PR: EDG 6236, Teaching Strategies for Health Professionals, or C.I. Analysis of effective teaching learning strategies with emphasis on developing techniques for teaching through technology resources. Spring.

NGR 5720 HPA-NURS 3(3,0) Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NGR 5744 HPA-NURS 1(1,0) Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NGR 5745 HPA-NURS 1(1,0) Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5746 (Roles and Issues in Advanced Practice Nursing II). Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NGR 5746 HPA-NURS 1(1,0) Cultural, legal, ethical, and political issues of Advanced Practice Nursing: PR: Baccalaureate degree in Nursing. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 1015</td>
<td>Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discussion methodology that forms a foundation for nursing and health care.</td>
<td>3,0</td>
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</tr>
<tr>
<td>NUR 3026L</td>
<td>Therapeutic Interventions for Health Professionals: PR: Admission to the School of Nursing Program. Theoretical and psychomotor development for therapeutic interventions in nursing practice. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
<td>1,0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring. M&amp;S fee: $15.00</td>
<td>2,0</td>
<td></td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&amp;S fee: $15.00</td>
<td>1,0</td>
<td></td>
</tr>
<tr>
<td>NUR 3128</td>
<td>Pathophysiology and Pharmacology for Nursing Practice: PR: Admission to the School of Nursing. Concepts and nursing care applications of the pathophysiological basis of illness, and principles of pharmacology. Fall, Spring.</td>
<td>5,0</td>
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</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester, for RN to BSN students: NUR 3065 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.</td>
<td>3,0</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the SON, NUR 3225, NUR 3235L, NUR 3128. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.</td>
<td>2,0</td>
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<tr>
<td>NUR 3235</td>
<td>Promoting Physical and Mental Health in the Community: PR: Completion of all Jr. level first semester courses or C.I. Biopsychosocial nursing interventions in physical and mental health problems with emphasis on family-centered care in the community. Fall, Spring.</td>
<td>5,0</td>
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<tr>
<td>NUR 3235L</td>
<td>Clinical Practice in Promoting Physical and Mental Health in the Community: PR: Completion to all Jr. level first semester courses or C.I. Clinical application of biopsychosocial nursing interventions in physical &amp; mental health problems with emphasis on family-centered care in the community. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
<td>4,0</td>
<td>3</td>
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<tr>
<td>NUR 3616</td>
<td>Promoting Healthy Families Across the Lifespan: PR: Admission to the School of Nursing. Theoretical foundations related to primary care nursing practice with healthy families across the lifespan, including common health concerns related to childbearing, childrearing, adulthood, and aging. Fall, Spring.</td>
<td>3,0</td>
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<tr>
<td>NUR 3616L</td>
<td>Clinical Practice in Promoting Healthy Families: PR: Admission to the School of Nursing. Primary clinical care nursing practice in community settings with healthy families across the lifespan, including common health concerns related to childbearing, childrearing, adulthood and aging. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
<td>3,0</td>
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<tr>
<td>NUR 3617</td>
<td>Promoting Healthy Communities: PR: Admission to the School of Nursing. Exploration of community-oriented nursing practice, including epidemiological, community health, nursing, economic, and health care system perspectives. May be repeated for credit. Fall, Spring.</td>
<td>3,0</td>
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<tr>
<td>NUR 3637</td>
<td>Accelerated Promoting Healthy Families and Communities: PR: Admission to Accelerated Second Degree BSN Option; NUR 3065, NUR 3065L, NUR 3825. Application of concepts of family and community nursing as it relates to health across the lifespan including childbearing, childrearing, childhood, adulthood, and aging. Occasional.</td>
<td>5,0</td>
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<tr>
<td>NUR 3637L</td>
<td>Clinical Practice in Promoting Healthy Families and Communities: PR: Admission to Accelerated Second Degree BSN option. Coreqs: NUR 3637, NUR 3065L, NUR 3065, NUR 3825. Primary care nursing practice with healthy communities and families across the lifespan, including common health promotion activities related to childbearing, childrearing, childhood, adulthood, and aging. Graded S/U. Occasional. M&amp;S fee: $40.00</td>
<td>2,0</td>
<td></td>
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<tr>
<td>NUR 3795</td>
<td>Principles of Oncology Nursing: PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. Occasional.</td>
<td>3,0</td>
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<tr>
<td>NUR 3805</td>
<td>Transitional Concepts in Nursing I: PR: Florida RN status. Exploration of issues and theories related to professional nursing practice to facilitate transition of RN to biopsychosocial level of nursing practice. Fall, Spring.</td>
<td>3,0</td>
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<tr>
<td>NUR 3806</td>
<td>Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.</td>
<td>1,0</td>
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<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse: PR: Admission to the school of nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.</td>
<td>2,0</td>
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<tr>
<td>NUR 3939</td>
<td>International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.</td>
<td>2,2</td>
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<tr>
<td>NUR 4084</td>
<td>Transitional Concepts in Nursing II: PR: NUR 3805, NUR 3065, NUR 3165. Enhancement of knowledge from basic Registered Nurse programs and continuation of study from NUR 3805. Fall, Spring.</td>
<td>3,0</td>
<td></td>
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<tr>
<td>NUR 4196</td>
<td>Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.</td>
<td>3,0</td>
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<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.</td>
<td>3,0</td>
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<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.</td>
<td>3,0</td>
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<tr>
<td>NUR 4525</td>
<td>Nursing Intervention in Mental Illness: PR: Completion of all Jr. level Fall and Spring courses or C.I. Nursing application of theory, treatment modalities, and skills specific to clients with a primary diagnosis of mental illness. Fall, Spring.</td>
<td>2,0</td>
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<tr>
<td>NUR 4525L</td>
<td>Clinical Practice with Mentally Ill Clients: PR: Completion of all Jr. level Fall and Spring courses or C.I. Clinical practice in acute healthcare settings serving clients with a primary diagnosis of mental illness. Graded S/U. Fall, Spring. M&amp;S fee: $15.00</td>
<td>1,0</td>
<td></td>
</tr>
</tbody>
</table>
NUR 4636 HPA-NURS 3(3,0) Community as the Continuum of Care: PR: Completion of all Jr. level and Sr. Fall courses or C.I. Theories and principles of community health nursing and application to clinical practice within a community oriented framework for nursing care. Fall, Spring.

NUR 4636L HPA-NURS 2(0,2) Clinical for Community as the Continuum of Care: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Clinical application of theories and principles of community health nursing and application to clinical practice within a community oriented framework for nursing care. Graded S/U. Spring.

NUR 4639 HPA-NURS 2(2,0) Accelerated Community as a Continuum of Care: PR: NUR 4745, NUR 4745L, NUR 4525, NUR 4525L, NUR 3167. CR: NUR 4945L, NUR 4829, NUR 4945L. Focus on knowledge needed in a community oriented practice model to effect changes in health status and risk, and self care capacity of target population. Occasional.

NUR 4675 HPA-NURS 3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4676 HPA-NURS 3(3,0) Health Care of Special Populations: Homeless: PR: Completion of junior level nursing courses or equivalent or C.I. Emphasis on socioeconomic, political, nursing, medical, and mental health practice and research related to care of the homeless. Occasional.

NUR 4745 HPA-NURS 4(4,0) Nursing Care of Clients with Acute and Life-threatening Illness across Lifespan: PR: Completion of all Jr. level Fall and Spring courses or C.I. Nursing care of individuals and families experiencing acute, unstable, or life-threatening health problems. Fall, Spring.

NUR 4745L HPA-NURS 4(0,4) Clinical Practice in Caring for Clients with Acute Illness: PR: Completion of all Jr. level Fall and Spring courses or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life threatening health conditions. Graded S/U. Fall, Spring. M&S fee: $45.00

NUR 4812C HPA-NURS 4(1,3) Practicum and Role Development for RN's: PR: For students enrolled in the RN-BSN program only. PR: or CR: NUR 4636, NUR 4636L, NUR 4827, NUR 4857. Synthesis of theories and concepts incorporated throughout the curriculum applied to a selected area of nursing practice and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4827 HPA-NURS 3(3,0) Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.


NUR 4829 HPA-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: NUR 4745, NUR 4745L, NUR 4525, NUR 4525L, NUR 3167. CR: NUR 4945L, NUR 4639, NUR 4945L. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4835 HPA-NURS 2(2,0) Role Transition: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Professional development and role transition of the baccalaureate graduate entering professional nursing practice. Spring.


NUR 4837 HPA-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.


NUR 4905C HPA-NURS Variable Independent Study: PR: NUR 4756C. An opportunity for an in-depth study in an area of special interest to the student. Occasional.


NUR 4907H HPA-NURS 3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Occasional.

NUR 4930 HPA-NURS 3(3,0) Health issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.

NUR 4934 HPA-NURS 3(3,0) Holistic Nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4936 HPA-NURS 3(3,0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Fall.

NUR 4942 HPA-NURS 3(0,9) Selected Nursing Practicum: PR: NUR 4756C and 4756E. An opportunity for an in-depth clinical study in an area of special interest to the student. Graded S/U. Occasional.

NUR 4945L HPA-NURS 4(0,4) Nursing Practicum: PR: Admission to the BSN program; STA 2043 or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H HPA-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 C.I. Opticalphotic processes on 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 C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OCE 5050 OPT-OPT 3(3,0) Fundamentals and Applications of Photonics: PR: Graduate standing or C.I. Introduction to optics and photonics emphasizing the concepts governing applications of current interest for science and engineering senior and first-year graduate students and working scientists and engineers. Occasional.

OCE 5051L OPT-OPT 3(1,4) Electro-Optics Laboratory: PR: EEL 4440 or OSE 5041 or C.I. Study of laboratory techniques for optical measurements and performance of measurements on electro-optic devices to determine operational characteristics. Occasional.

OCE 5111 OPT-OPT 3(3,0) Optical Wave Propagation: PR: Graduate standing or C.I. Optical propagation of light waves as applied to isotropic, anisotropic, and inhomogeneous media, guided waves and Gaussian beams. Odd Fall, Even Spring.

OCE 5115 COS-PHYS 3(3,0) Interference and Diffraction: PR: Graduate status or senior standing, or C.I. Interference of light, optical interference, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. Fall, Odd Spring.


OCE 5203 OPT-OPT 3(3,0) Fundamentals of Applied Optics: PR: Graduate standing or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry, Fall, Odd Spring.
allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5312 C.I.OPT-OPT 3(3,0)
Fundamentals of Optical Science: PR: Graduate standing in C.I. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonlinear optics. Even Fall, Odd Spring.

OSE 5313 C.I.OPT-OPT 3(3,0)
Materials for Optical Systems: PR: Graduate standing in C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 C.I.OPT-OPT 3(3,0)
Fundamentals of Optoelectronic Devices: PR: Graduate standing in C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Even Fall.

OSE 5421 C.I.OPT-OPT 3(3,0)
Integrated Optics: PR: Graduate standing in C.I. The propagation and loss characteristics in dielectric optic waveguides, fundamental concepts of both integrated and fiber optic devices, numerical modeling of complex integrated optical components. Odd Spring.

OSE 5511 COS-PHYS 3(3,0)
Laser Principles: PR: PHY 3101, MAP 2302, PHY 4424, graduate status or senior standing, or C.I. Classical introduction to the basic principles of laser gain media, properties of resonators and modes, description of specific laser systems. Occasional.

OSE 5630C C.I.OPT-OPT 3(2,1)
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5043 or OSE 5530C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0)

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing in 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 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 operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)
Resource Development in the Nonprofit Sector: PR: Junior status 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, Spring.

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)
Managing Public Emergencies: 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 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0)
Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0)
Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4941 HPA-PUB 3-6(0,6)
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 SU, Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PAD 4948</td>
<td>American Humanities Internship</td>
<td>PR: Enrollment in American Humanities 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 Humanities certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5041</td>
<td>Ethics and Values in Public Administration</td>
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<td>3(0,3)</td>
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<tr>
<td>PAD 5142</td>
<td>Nonprofit Organizations: PR Admission to certificate program or C.I. Overview of nonprofit management, including history, governance structures, criteria used to establish nonprofit status, range of organizations, and application of management theory. Fall, Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5145</td>
<td>Volunteerism in Nonprofit Management: PR Admission to certificate program or C.I. Human resource development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5146</td>
<td>Nonprofit Resource Development: PR: Post-bac status or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. Fall, Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5336</td>
<td>Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5337</td>
<td>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.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5338</td>
<td>Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5339</td>
<td>Managing Community and Economic Development: PR: graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5425</td>
<td>Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5427</td>
<td>Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5806</td>
<td>Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5807</td>
<td>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.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 5850</td>
<td>Grant and Contract Management: PR: PAD 3003 or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 2102</td>
<td>Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.</td>
<td>2(0,2)</td>
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<tr>
<td>PAD 3753H</td>
<td>Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and junior standing. Ethical challenges and dilemmas inherent in the fields of Health, Social Work, Criminal Justice and Public Administration. With Honors content. Occasional.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 3850H</td>
<td>Honors Research Methods in Health and Public Affairs: PR: Participating in University Honors or Honors in the Major and junior standing. Applied research methods in fields of Criminal Justice, Nursing, Health Professions, Public Administration, and Social Work. With honors content. Occasional.</td>
<td>3(0,3)</td>
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<tr>
<td>PAD 3931</td>
<td>American Humanities Human Service Workshop: PR: American Humanities minor, junior standing and ENC 1102; or C.I. Designed as forum for exchange between students and professional nonprofit personnel on various leadership and management issues. American Humanities student association activities are included. May be repeated for credit. Fall, Spring.</td>
<td>1(0,1)</td>
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<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology: PR: BSC 2010C and CHM 2210, or C.I. Molecular structure and function of eukaryotic organelles. Transcription, RNA processing, translation and post translation targeting and modification of gene products. Fall, Odd Spring.</td>
<td>3(0,3)</td>
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<tr>
<td>PCB 3024L</td>
<td>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>
<td>2(0,2)</td>
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<tr>
<td>PCB 3044</td>
<td>Principles of Ecology: PR: BSC 2010C, BSC 2011C, and CHM 2045C. The physiology and interrelationships of organism systems of the human body. Fall.</td>
<td>3(0,3)</td>
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<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory: PR or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&amp;S fee: $15.00</td>
<td>1(0,3)</td>
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<tr>
<td>PCB 3063</td>
<td>Genetics: PR: BSC 2010C, and CHM 2046, or C.I. Basic principles of heredity as applied to prokaroytes and eukaryotes. Fall, Spring.</td>
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</table>
UCF Courses and Descriptions

PCB 4303C COS-BIOL 4(3,4)

PCB 4353 COS-BIOL 3(3,0)
Florida Natural History: PR: BSC 2101C and BSC 211C, or C.I. Florida’s ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.

PCB 4514 COS-BIOL 3(3,0)
Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.

PCB 4524 BCBS-M&M 3(3,0)

PCB 4524H BCBS-M&M 3(3,0)
Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.

PCB 4529 BCBS-M&M 3(3,0)

PCB 4683 COS-BIOL 4(4,0)
Population Biology and Evolution: PR: PCB 3044 and PCB 3063 or equivalents. Demographic and genetic structure of populations and their relationship to specialization, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4683L COS-BIOL 1(0,2)
Population Biology and Evolution Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall, Spring. M&S fee: $10.00

PCB 4723 COS-BIOL 4(4,0)
Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4805 BCBS-M&M 3(3,0)
Endocrinology: PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. Occasional.

PCB 5045C COS-BIOL 4(3,2)
Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Weekend field trips are required. Occasional. M&S fee: $15.00

PCB 5048C COS-BIOL 4(2,4)
Restoration Ecology: PR: PCB 3044, BSC 4312C, or graduate standing or C.I. General principles of assisting recovery of degraded, damaged or destroyed ecosystems. Occasional.

PCB 5107C COS-BIOL 4(3,2)
Advanced Cell Biology: PR: PCB 3063 and PCB 3023, graduate status or senior standing, or C.I. Review of selected topics in cell biology with emphasis on current research in areas of membrane structure, protein targeting, cytoskeleton, signaling and cell cycle. Occasional. M&S fee: $15.00

PCB 5108 COS-BIOL 4(4,0)
Concepts in Plant Cell Biology: PR: PCB 3023 and PCB 3063 or graduate standing or C.I. Plant cell biology, including cytoskeletal dynamics, cell signaling, cell cycle regulation, protein targeting and organelle structure and function. Spring.

PCB 5238 BCBS-M&M 3(3,0)
Immunobiology: PR: PCB 3323. 429. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5293 BCBS-M&M 3(3,0)
Tumor Biology: PR: PCB 4524. A course designed to provide an introduction and broad overview of the current knowledge and research in the field of cancer biology. Occasional.

PCB 5256C COS-BIOL 4(3,2)
Advanced Developmental Biology: PR: PCB 3063 and ZOO 4603C or equivalent, graduate status or senior standing or PCB 4683. A study of the fundamental mechanisms utilized by multicellular organisms during development. Spring.

PCP 5275 BCBS-M&M 3(3,0)
Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalians cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C COS-BIOL 5(3,2)
Ecosystems of Florida: PR: PCB 3044, PCB 3044L or PCB 3063, graduate status or senior standing or PCB 4683. An in-depth study of the fundamental mechanisms utilized by multicellular organisms during development. Spring.

PCB 5328C COS-BIOL 4(3,2)
Landscape Ecology: PR: PCB 3044, STA 2023, graduate status or senior standing, or C.I. Influence of spatial heterogeneity on ecological processes. Emphasizes quantitative methods (e.g., GIS, remote sensing and modeling) to characterize landscape patterns and dynamics. Occasional. M&S fee: $15.00

PCB 5435C COS-BIOL 4(2,6)
Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. M&S fee: $45.00

PCB 5480C COS-BIOL 4(3,2)
Quantitative Conservation Biology: PR: MAC 2311, PCB 3044, STA 2014C or C.I. Current methods of data analysis and modeling to evaluate biological population dynamics. May be repeated for credit one time. Occasional.

PCB 5485 COS-BIOL 3(3,0)
Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional. M&S fee: $15.00

PCB 5556 COS-BIOL 3(3,0)
Conservation Genetics: PR: PCB 3063 and PCB 4683. Applications of genetic models to the understanding and conservation of animal and plant populations. Occasional. M&S fee: $15.00

PCB 5665C COS-BIOL 4(3,2)
Human Genetics: PR: PCB 3063, graduate status or senior standing, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee: $15.00

PCB 5677 COS-BIOL 3(3,0)
Molecular Evolution: PR: PCB 3063 and PCB 4683, graduate status or senior standing, or C.I. Provides an overview of molecular methods currently used to analyze diversity within and among species. Occasional.

PCO 4203 COS-PSYCH 4(3,2)
Interviewing and Counseling: PR: PSY 3122, PPE 3013, PLP 2112 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2111 ED-TLP 2(1,1)
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2111 ED-TLP 2(1,1)
Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2112 ED-TLP 2(1,1)
Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-TLP 2(1,1)
Beginning Tennis: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2122 ED-TLP 2(1,1)

PEL 2341 ED-TLP 2(1,1)
Beginning Tennis: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-TLP 2(1,1)
Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-TLP 2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-TLP 2(1,1)
Body Development: An in-depth study of individual physical (musculoskeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-TLP 3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

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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.

Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

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.

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.

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.

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.

Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

Team Sports: PR: 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

Individual Sports: PR: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.


Coaching Baseball: Theory and methods of coaching baseball, including the analysis of offensive and defensive techniques and strategies. Fall.

Coaching Physical Education in the Secondary and Middle School: PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

Coaching Tae Kwon Do: Exploration of the principles of self defense and personal protection. Fall.


Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

Coaching Physical Education in the Middle School (6-12): PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Elementary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Middle School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Elementary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Primary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Early Childhood: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

Coaching Physical Education in the Secondary School: PR: Admission to Junior Block, or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on the integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4312</td>
<td>ED-TLP 3(2,1)</td>
<td></td>
<td>Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>HPA-HP 3(2,2)</td>
<td></td>
<td>Biomechanics of Sport: PR: PET 4630C. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Fall.</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>ED-TLP 3(2,1)</td>
<td></td>
<td>Applied Exercise and Human Physiology: PR: ZOO 3735C, 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, Spring.</td>
</tr>
<tr>
<td>PET 4401</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Administration and Evaluation in Physical Education: This course is designed to address administrative, measurement and evaluation considerations of physical education programs. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4491</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>PET 4550</td>
<td>ED-TLP 3(2,1)</td>
<td></td>
<td>Fitness Assessment: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Occasional.</td>
</tr>
<tr>
<td>PET 4603</td>
<td>HPA-HP 3(3,0)</td>
<td></td>
<td>Introduction to Athletic Training: PR: Athletic Training majors only. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional.</td>
</tr>
<tr>
<td>PET 4604</td>
<td>HPA-HP 3(3,0)</td>
<td></td>
<td>Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.</td>
</tr>
<tr>
<td>PET 4606</td>
<td>HPA-HP 3(3,0)</td>
<td></td>
<td>Applied Fitness in Sport: PR: PET 3671C. Appreciation and clinical application of fitness regarding athletics. Spring.</td>
</tr>
<tr>
<td>PET 4624C</td>
<td>HPA-HP 3(2,2)</td>
<td></td>
<td>Recognition and Evaluation of Athletic Injuries II: PR: PET 3620C and PET 3623C. Recognition and evaluation skills required to perform an injury assessment of the lower extremity, spine, and general medical conditions and provision of immediate management. Spring.</td>
</tr>
<tr>
<td>PET 4625</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Human Injuries: Mechanisms &amp; 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.</td>
</tr>
<tr>
<td>PET 4640</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rational and methods analyzed. Spring.</td>
</tr>
<tr>
<td>PET 4660C</td>
<td>HPA-HP 3(3,0)</td>
<td></td>
<td>Organization and Administration of Athletic Training: PR: PET 3671C. Administrative knowledge in the athletic training profession. Fall.</td>
</tr>
<tr>
<td>PET 4672C</td>
<td>HPA-HP 4(0,8)</td>
<td></td>
<td>Practicum in Athletic Training II: PR: PET 3671C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer. Fall.</td>
</tr>
<tr>
<td>PET 4673C</td>
<td>HPA-HP 4(0,8)</td>
<td></td>
<td>Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer. Spring.</td>
</tr>
<tr>
<td>PET 4710</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Teaching Physical Education K-12: PR: Must be admitted to internship. Develop effective instructional skills through planning, teaching, and assessment. Curruculum and instructional considerations for teaching Physical Education. Odd Fall, Even Spring.</td>
</tr>
<tr>
<td>PET 4724</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.</td>
</tr>
<tr>
<td>PET 4763</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Coaching Methods And Principles: PR: Junior standing, Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Occasional.</td>
</tr>
<tr>
<td>PET 4823C</td>
<td>ED-TLP 3(2,1)</td>
<td></td>
<td>Teaching Sports Skills II: PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.</td>
</tr>
<tr>
<td>PET 4925</td>
<td>ED-TLP 3-6(0,16)</td>
<td></td>
<td>Sports and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 2/3 of the Sports and Fitness program requirements. Field experience in a sports and fitness related organization. Occasional.</td>
</tr>
<tr>
<td>PET 4926</td>
<td>ED-TLP 9-12(0,35)</td>
<td></td>
<td>Sports and Fitness Practicum II: PR: Sports &amp; Fitness Practicum I and overall GPA of 2.5. Field experience in a sports and fitness related organization, association, or business. Occasional.</td>
</tr>
<tr>
<td>PET 4943</td>
<td>ED-TLP 12(0,35)</td>
<td></td>
<td>Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.</td>
</tr>
<tr>
<td>PET 4945</td>
<td>ED-TLP 12(0,35)</td>
<td></td>
<td>Internship IV: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.</td>
</tr>
<tr>
<td>PET 5355</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Exercise and Health: PR: Admission to Master’s Program or Certificate Program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.</td>
</tr>
<tr>
<td>PET 5405</td>
<td>ED-CFCS 3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>PET 5465</td>
<td>ED-CFCS 3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>PET 5466</td>
<td>ED-CFCS 3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>PET 5635</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.</td>
</tr>
<tr>
<td>PET 5931</td>
<td>ED-TLP 3(3,0)</td>
<td></td>
<td>Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education Graduate Program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>CAH-ART 3(3,2)</td>
<td></td>
<td>Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>PGY 3002</td>
<td>CAH-ART 3(3,0)</td>
<td></td>
<td>Contemporary Photography: PR: ARH 3711 or C.I. Late 20th and 21st century (1970’s-present) contemporary movement in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.</td>
</tr>
<tr>
<td>PGY 3205</td>
<td>CAH-ART 3(3,0)</td>
<td></td>
<td>Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>PGY 3324</td>
<td>CAH-ART 3(3,0)</td>
<td></td>
<td>The Professional Environment: PR: ARH 3711, PGY 3002, or C.I. The world of professional photography, exploring various topics such as legal and ethical issues, marketing and self-promotion strategies. Occasional.</td>
</tr>
</tbody>
</table>
C.I. Various avenues of photographic illustration, including manual mode required. Based newspaper assignments. 35 MM SLR camera with it.

PGY 4471 CAH-ART 3(3,0) Photography Thesis: PR: PGY 3324, PGY 4003, or C.I. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional.

PGY 4472 CAH-ART 3(3,0) 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 5108C CAH-ART 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA Graduate Program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be repeated for credit twice. Occasional.

PHH 3041 CAH-PHIIL 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-PHIIL 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-PHIIL 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 representational thinkers. Occasional.

PHH 3320 CAH-PHIIL 3(3,0) Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHH 3600 CAH-PHIIL 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-PHIIL 3(3,0) American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 2010 CAH-PHIIL 3(3,0) Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.
PHI 3601 CAH-PHIL 3(3,0)

Practical Wisdom: A radio 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 CI. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHIL 3(3,0)

Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0)


PHI 3638 CAH-PHIL 3(3,0)


PHI 3640 CAH-PHIL 3(3,0)

Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3648 CAH-PHIL 3(3,0)

Ethical Implications of the Human Genome Project: PR: BSC 2006, and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. Occasional.

PHI 3670 CAH-PHIL 3(3,0)

Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including virtue theory, utilitarianism, deontology, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)

Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0)

Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3683, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL 3(3,0)

Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of “the good life.” Occasional.

PHI 3700 CAH-PHIL 3(3,0)

Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0)


PHI 3750 CAH-PHIL 3(3,0)


PHI 3790 CAH-PHIL 3(3,0)

African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

PHI 3800 CAH-PHIL 3(3,0)


PHI 3803 CAH-PHIL 3(3,0)

Philosophy and Creativity: A companion course to PHI 3800. Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.

PHI 3805 CAH-PHIL 3(3,0)


PHI 3941 CAH-PHIL 3(1,3)

Philosophy Practicum: PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. Occasional.

PHI 4221 CAH-PHIL 3(3,0)

Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)

Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)

Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2111, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)

Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)

Philosophy of Science: An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)

Philosophy of Social Science: An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)

Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)

Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)

Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4690 CAH-PHIL 3(3,0)

Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)

Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0)

Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0)

Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0)

Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. Occasional.

PHI 4951 CAH-PHIL 1(1,0)

Portfolio: PR: PHI 3083 and last semester as Philosophy major. Presentation of a representative sampling of student’s best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded S/U. Occasional.

PHI 5225 CAH-PHIL 3(3,0)

Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

PHI 5325 CAH-PHIL 3(3,0)

Topics in Philosophy of Mind: PR: Admission into graduate certificate in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL 3(3,0)

Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.
PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3640, or Graduate standing or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or Graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4903, or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3401 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHM 4031 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHP 3783 CAH-PHIL 3(3,0) Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHP 3786 CAH-PHIL 3(3,0) Existentialism: Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.


PHT 3069L HPA-HP 2(0,4) Physical Assessment Lab: CR: PHT 3069L. Focus on cultural diversity issues, communication skills, and general knowledge of the patient. Occasional.

PHT 3112 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(3,0) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.


PHT 3113L HPA-HP 3(3,0) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113L. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHT 3122 HPA-HP 3(3,0) Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122L HPA-HP 2(0,6) Clinical Kinesiology Lab: CR: PHT 3122L. Lab course investigating the mechanical aspects of human movement. Occasional.

PHT 3155 HPA-HP 2(2,0) Physiology of Therapeutic Exercise: PR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.

PHT 3155L HPA-HP 2(0,4) Physiology of Therapeutic Exercise Lab: CR: PHT 3155L. Lab course emphasizing the clinical application of exercise physiology. Occasional.


PHT 3259L HPA-HP 1(0,2) Patient Care Skills Lab: CR: PHT 3259L. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHT 4222L HPA-HP 1(0,2) Therapeutic Exercise I Lab: CR: PHT 4222L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230 HPA-HP 2(2,0) Therapeutic Exercise II: PR: PHT 4222; PHT 4222L; CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230L HPA-HP 1(0,2) Therapeutic Exercise II Lab: CR: PHT 4230L. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: CR: PHT 3133. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology: The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Relates neuropathology and orthopedic pathology to the study of movement. Occasional.


PHT 5003 HPA-HP 2(2,0) Foundations of Physical Therapy I: PR: Admission to the PT program. Introduction to the profession of physical therapy. Occasional.

UCF Courses and Descriptions

**PHT 5115** HPA-HP 2(2,0)  
Gross Anatomy/Neuroscience I: PR: Admission to PT program. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

**PHT 5115L** HPA-HP 2(0,4)  
Gross Anatomy/Neuroscience I Lab: PR: Admission to PT program. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional. M&S fee: $45.00

**PHT 5118** HPA-HP 2(2,0)  
Gross Anatomy/Neuroscience II: PR: PR Gross Anatomy/Neuroscience I and Lab; CR Gross Anatomy Neuroscience II Lab. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Fall.

**PHT 5118L** HPA-HP 2(0,4)  
Gross Anatomy/Neuroscience II Lab: PR: Gross Anatomy Neuroscience I and Lab; CR Gross Anatomy Neuroscience II. Directed Laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Fall. M&S fee: $45.00

**PHT 5125** HPA-HP 2(2,0)  
Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional. M&S fee: $15.00

**PHT 5125L** HPA-HP 2(0,2)  
Clinical Kinesiology Lab: CR: PHT 5125. Conceived with the practical and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. Occasional. M&S fee: $15.00

**PHT 5156** HPA-HP 2(2,0)  
Physiology of Therapeutic Exercise: PR: Admission to PT program. Exercise physiology investigates the physiological responses and adaptations to human movement including cardiovascular and pulmonary. Occasional.

**PHT 5156L** HPA-HP 2(0,4)  
Physiology of Therapeutic Exercise Lab: CR: PHT 5156. Lab course emphasizing the clinical application of exercise physiology. Occasional. M&S fee: $15.00

**PHT 5218** HPA-HP 2(2,0)  
Theories and Procedures I: PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring. M&S fee: $15.00

**PHT 5218L** HPA-HP 1(0,2)  
Theories and Procedures I Lab: PR: CR Theories and Procedures I. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee: $15.00

**PHT 5240** HPA-HP 1(1,0)  

**PHT 5240L** HPA-HP 2(0,4)  
Physical Assessment Lab: PR: CR Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee: $25.00

**PHT 5241** HPA-HP 2(2,0)  

**PHT 5241L** HPA-HP 2(0,4)  
Therapeutic Exercise I Lab: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee: $15.00

**PHT 5260** HPA-HP 2(2,0)  
Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

**PHT 5260L** HPA-HP 1(0,2)  
Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. Fall. M&S fee: $25.00

**PHT 5306** HPA-HP 2(2,0)  
Pathology/Pharmacology: PR: Admission to PT program. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they related to medical management in physical therapy practice. Occasional.

**PHT 5411** HPA-HP 3(3,0)  
Foundations of Physical Therapy II: This course emphasized the psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. Occasional.

**PHT 5718** HPA-HP 2(2,0)  

**PHT 5718L** HPA-HP 1(0,2)  
Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee: $15.00

**PHT 5722C** HPA-HP 2(2,1)  
Physical Therapy Integration I: PR: Admission to PT program. Problem solving approach to selected dysfunctions, including burns and open wounds, and selected diagnostic procedures and therapy interventions. Occasional. M&S fee: $15.00

**PHT 5805** HPA-HP 1(0,4)  
Clinical Education I: PR: Admission to PT program. Full-time supervised clinical education in physical therapy settings. Application of objectives of courses previously completed. Graded SU. Spring.

**PHY 2048** COS-PHYS 3(3,0)  
Physics for Engineers and Scientists I: PR: PHY 2048. Laboratory experiments covering selected topics in physics related to PHY 2048. Fall. Spring. M&S fee: $15.00

**PHY 2048L** COS-PHYS 1(0,3)  
Physics Laboratory for Engineers and Scientists I: CR: PHY 2048. Laboratory experiments covering selected topics in physics related to PHY 2048. Fall. Spring. M&S fee: $15.00

**PHY 2049** COS-PHYS 3(3,0)  
Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048 or PHY 2048H. Electricity, magnetism, optics. Fall, Spring.

**PHY 2049H** COS-PHYS 3(3,0)  
Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2048. Same as PHY 2049H with honors-level content. Occasional.

**PHY 2053C** COS-PHYS 4(3,3)  
College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee: $15.00

**PHY 2054C** COS-PHYS 4(3,3)  
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00

**PHY 2060** COS-PHYS 3(3,0)  
Physics Today: CR: PHY 2048 or PHY 2048H. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated for credit. Occasional.

**PHY 3101** COS-PHYS 3(3,0)  
Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049 or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

**PHY 3110H** COS-PHYS 3(3,0)  
Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2049 or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

**PHY 3220** COS-PHYS 3(3,0)  

**PHY 3323** COS-PHYS 3(3,0)  
Electricity and Magnetism I: PR: PHY 2049, MAP 2302. Electrodynamics, magnetostatics, Lorentz force current electric, Maxwell’s equations. Fall.

**PHY 3513** COS-PHYS 3(3,0)  
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

**PHY 3722C** COS-PHYS 3(1,5)  
UCF Courses and Descriptions


PHY 3802L Intermediate Physics Laboratory: PR: PHY 3011 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 4324 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHY 3323. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antenna, special relativity. Spring.

PHY 4424 COS-PHYS 3(3,0) Optics: PR: PHY 3101 and PHY 3232. Wave optics, absorption, stimulated emission, lasers, transforms, coherence, holography. Occasional.

PHY 4424L Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4435 COS-PHYS 3(3,0) Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. Occasional.

PHY 4604 COS-PHYS 3(3,0) Wave Motion for Teachers: PR: PHY 3424, and 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 5015C COS-PHYS 3(2,2) Physics for Teachers II: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5100 COS-PHYS 1(1,0) Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.

PHY 5140C COS-PHYS 3(3,2) Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. Odd Spring.

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) Electricity 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. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5346 COS-PHYS 3(3,0) Electrodynamics II: PR: PHY 4324, and graduate status or senior standing or C.I. Wave mechanics II: Further applications of quantum mechanics, perturbation theory, scattering theory. Spring.

PHY 5401C 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 5465C Wave Motion for Teachers: 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 5500C COS-PHYS 1(0,5,1,5) Quantum Mechanics I: 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 5606 Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3,0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.

PHY 5817L Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be on conducting experiments with simple apparatus on printed circuit board 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, Spring.

PHY 5933 COS-PHYS 3(3,0) Selected topics in biophysics of macromolecules: PR: PHY 3011, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the biophysics of macromolecules. May be repeated for credit. Occasional.

PHY 5933 COS-PHYS 3(3,0) Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.


PHY 5933 COS-PHYS 3(3,0) Computational Physics: PR: PHY 3011. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHY 5933 COS-PHYS 3(3,0) Nanophysics: PR: PHY 4040 or equivalent, and graduate status or senior standing or C.I. Physical phenomena occurring in nanometer-length scales, including nano colloids, and nano transport. Occasional.

PHY 5933 COS-PHYS 3(3,0) Condensed Matter Physics: PR: PHY 4040, PHY 3011, 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 5933 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, especially metals and semiconductors. Odd Spring.

PHY 5933 COS-PHYS 3(3,0) Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Graded S/U. Fall.

PHY 5933 COS-PHYS 3(3,0) Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHY 5933 COS-PHYS 1(1,0) Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Hours</th>
<th>( \text{S/U Option} )</th>
<th>PR</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3013</td>
<td>Law and the Legal System</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.</td>
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<tr>
<td>PLA 3104</td>
<td>Legal Research</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. A study of the various research tools used in legal research and the methods used to conduct legal research. Fall, Spring.</td>
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<tr>
<td>PLA 3155</td>
<td>Legal Writing</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3104. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3104. Fall, Spring.</td>
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</tr>
<tr>
<td>PLA 3201</td>
<td>Civil Practice and Procedure</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.</td>
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<tr>
<td>PLA 3201H</td>
<td>Civil Practice and Procedure - Honors</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: Permission of Honors and PLA 3013 or C.I. Same as PLA 3201 with honors level content. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 3273</td>
<td>The Law of Torts</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial, and appeal of torts cases. Fall, Spring.</td>
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<tr>
<td>PLA 3304</td>
<td>Criminal Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or CI. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.</td>
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<tr>
<td>PLA 3308</td>
<td>Criminal Procedure</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.</td>
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</tr>
<tr>
<td>PLA 3610</td>
<td>Property and Real Estate Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.</td>
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<tr>
<td>PLA 4020</td>
<td>Law and Society</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or CI. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.</td>
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<tr>
<td>PLA 4223</td>
<td>Advanced Trial Advocacy</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 4010 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.</td>
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<tr>
<td>PLA 4240</td>
<td>Negotiation Alternatives in Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013(C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.</td>
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<tr>
<td>PLA 4263</td>
<td>Evidence</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 and 3201 or C.I. An examination of the substantive and procedural law as applied to the handling of physical and testimonial evidence in court trials. Primary emphasis is on the Florida Evidence Code. Fall, Spring.</td>
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<tr>
<td>PLA 4423</td>
<td>The Law of Contracts</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. 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.</td>
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<tr>
<td>PLA 4433</td>
<td>Florida Partnerships and Corporations</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.</td>
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<tr>
<td>PLA 4460</td>
<td>Bankruptcy Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
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<tr>
<td>PLA 4462</td>
<td>Legal Issues of the Elderly</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.</td>
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<tr>
<td>PLA 4483</td>
<td>Administrative Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.</td>
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<tr>
<td>PLA 4530</td>
<td>Legal Issues of the Elderly</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.</td>
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</tr>
<tr>
<td>PLA 4538H</td>
<td>Honors Cyber Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4601</td>
<td>Estates and Trusts</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013, PLA 3360. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>PLA 4602</td>
<td>Estate Administration</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 4601. Study of the laws and procedures applicable to administration of estates. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4631</td>
<td>Land Use and Environmental Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013, PLA 3360. Study of the law relating to private and public restraints on land use, including planning, zoning, subdivision and building regulations, with emphasis on recent interpretations by judiciary for environmental protection. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4700</td>
<td>Professional Ethics and Liability</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. Ethical responsibilities of professionals. Canons of legal ethics, liability for professional malpractice. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>PLA 4710</td>
<td>Careers in Legal Studies</td>
<td>1(1,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4732</td>
<td>Advanced Legal Applications Computer Software</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4763</td>
<td>Law Office Practices</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4800</td>
<td>Domestic Relations Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4817</td>
<td>Juvenile Law and Procedure</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4823</td>
<td>Sports Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PLA 4824</td>
<td>Legal Issues for Athletic Trainers</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: C.I. Analysis of the legal issues affecting athletic trainers. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4825</td>
<td>Entertainment Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4826</td>
<td>Advanced Entertainment Law</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4830</td>
<td>World Legal Systems</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 4910</td>
<td>Trial Advocacy</td>
<td>3(4,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: PLA 3013 or C.I. Analysis of the entire litigation process form the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>PLA 4935</td>
<td>Capstone: Legal Issues</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: senior status, PLA 3155. Legal Issues 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.</td>
<td></td>
</tr>
<tr>
<td>PLA 5587</td>
<td>Current Issues in Cyberlaw</td>
<td>3(3,0)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>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 postings, research projects, seminar papers, and legal research projects. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PLA 5937</td>
<td>Seminar in Contemporary Legal Problems</td>
<td>3(1,2)</td>
<td>PLA-CJ/LS</td>
<td>No</td>
<td>PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. Occasional.</td>
<td></td>
</tr>
</tbody>
</table>
PSY 4213L COS-PSYCH 3(0,3) Advanced Research Methods Statistical Lab: PR: PSY 3213c and CR: PSY 4213C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 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 4305C COS-PSYCH 3(1,4) Advanced Psychological Measurement: PR: or CR: PSY 3302. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. Occasional.

PSY 4604 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: EXP 3404 and PPE 3003. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 5605 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: Acceptance to Clinical Psychology Ph.D. 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 Ph.D. 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.

PUP 3314 COS-POLS 3(3,0) Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0) Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0) Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0) Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0) Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3,0) Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0) Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0) Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0) Space Policy: An examination of the politics and policy-making involving 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 repeated once. 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 1600. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUR 4110C COS-COMM 3(1,3) Public Relations Publications: PR: ENC 2210 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUR 4203 COS-COMM 3(3,0) PR/Advertising Ethics and Law: PR: Admitted to the Advertising/Public Relations (B.A.) and ADV 3000. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Fall, Spring.

PUR 4800 COS-COMM 3(3,0) Public Relations Campaigns: PR: Majors only. PUR 4000 or C.I. Planning and execution of public relations campaigns for profit and non-profit organizations. 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 3241 HPA-HP 3(3,0) Clinical Radiobiology: Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. Occasional.

RAT 3242 HPA-HP 2(2,0) Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2,0) Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. Occasional.

RAT 4247 HPA-HP 3(3,0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3,0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lympho-reticular system. Occasional.


RAT 4619C HPA-HP 4(3,3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.


RED 3012 ED-TLP 3(3,0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.
RED 3310 ED-CFC3 3(3,0)  
Emerging Literacy: PR: Admission to program, or C.I.  
Investigates emergence of reading/writing processes during preschool, kindergarten, and early first grade years. Fall.

RED 4043 ED-TLP 3(3,0)  
Content Reading in Kindergarten through Grade 12: PR: Admission to the teacher education program and junior or senior class standing. Content literacy in the K-12 school curriculum: principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311 ED-CFC3 3(3,0)  
Development of Literacy: PR: RED 3310. Methods for development of reading and writing process during primary (first - third) grades. Fall.

RED 4519 ED-TLP 3(3,1)  
Diagnostic and Corrective Reading Strategies: PR: RED 3012 or C.I. and admission to Phase II. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required. Fall, Spring.

RED 5147 ED-TLP 3(3,0)  

RED 5514 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 3333 BA-FIN 3(3,0)  
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 4103 BA-FIN 3(3,0)  

REE 4203 BA-FIN 3(3,0)  
Commercial Real Estate Finance: PR: FIN 3403; open to majors or minors who require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)  
Residential Real Estate Finance: PR: Fin 3403; open to majors or minors who require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0)  

REE 4732 BA-FIN 3(3,0)  
Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through lease-up, long-term financing, and final sale to the investment community. Fall.

REL 2300 CAH-PHIL 3(3,0)  
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)  

REL 3111 CAH-PHIL 3(3,0)  
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2100 or REL 2300 or FIL 1001. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy, and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115 CAH-PHIL 3(3,0)  

REL 3311 CAH-PHIL 3(3,0)  

REL 3400 CAH-PHIL 3(3,0)  
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3432 CAH-PHIL 3(3,0)  
Roots of Western Mysticism: PR: HUM 3401, HUM 3405, HUM 3552, HUM 3553, HUM 4203, HUM 4554, PHH 3100, or PHH 3200. Ancient, medieval, and modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0)  
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2000. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4901 CAH-PHIL 1(1,0)  
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

RET 3026C HPA-HP 4(3,3)  
Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. M&S fee: $45.00

RET 3174 HPA-HP 3(3,0)  
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3264C HPA-HP 3(2,3)  
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3483C HPA-HP 3(2,1)  
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3484C HPA-HP 4(3,3)  
Cardiopulmonary Physiology: PR: PCB 3702C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall. M&S fee: $18.00

RET 3874 HPA-HP 5(1,16)  

RET 3875 HPA-HP 8(1,24)  
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)  

RET 4244 HPA-HP 3(3,0)  

RET 4284 HPA-HP 3(3,0)  
Cardiopulmonary Diagnostics I: PR: RET 4244. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4285 HPA-HP 3(3,0)  
Cardiopulmonary Diagnostics II: PR: RET 4244 and RET 4284. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.

RET 4414C HPA-HP 4(3,3)  
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&S fee: $14.00

Advanced Cardiac Ultrasound: PR: RET 4282 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. Occasional.

Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3484C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.


Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.


Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. Fall. M&S fee: $10.00

Advanced Patient Care: PR: RET 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

Medical Physics: PR: RET 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&S fee: $28.00

Advanced Imaging Modalities: PR: RET 3563 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

Magnetic Resonance Imaging Protocols: PR: Senior Level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. Fall.

Anatomy for the Medical Imagery: A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall.


Clinical Education II: PR: RET 3804. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the chest, abdomen, extremities and shoulder girdle. Occasional.

Clinical Education III: PR: RET 4814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the pelvis, thoracic cavity, vertebra column and portable and surgical radiography. Fall.

Clinical Education IV: PR: RET 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, and special procedures. Spring.

Clinical Education V: PR: RET 4844. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on surgical and special procedure examinations. Occasional.

Advanced Clinical Practicum: PR: RET 4824L. Supervised clinical experience and/or practice in computed tomography, interventional, vascular, and magnetic resonance imaging. Fall. Spring.

Directed Study in Radiologic Education: PR: EVT 3371 or EDG 4263 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 3000</td>
<td>Development and Structure of Electronic Media and New Technology: PR: SPC 1600 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3200</td>
<td>Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3000 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Odd Spring</td>
</tr>
<tr>
<td>RTV 3210C</td>
<td>Audio Production I: PR: RTV 3200 and RTV Major - Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio-computer-based editing equipment.</td>
<td>4(4,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3228C</td>
<td>Lighting for Video: PR: RTV 3228C and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Odd Fall, Even Spring</td>
</tr>
<tr>
<td>RTV 3228C</td>
<td>Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics.</td>
<td>4(4,3)</td>
<td>-</td>
<td>Odd Fall, Even Spring</td>
</tr>
<tr>
<td>RTV 3231C</td>
<td>Broadcast Announcing and Performance: PR: RTV Majors only, RTV 3210C or RTV 3220 or C.I. Communication problems on camera and microphone. Development of performance skills in announcing, interpreting, narrating, and reporting.</td>
<td>4(1,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3260C</td>
<td>Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP).</td>
<td>4(4,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3263C</td>
<td>Advanced Video Post-Production: PR: RTV 3200 and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3283C</td>
<td>Production of Interactive Multimedia: PR: CGS 1000C; major status in RTV, AdPR. Journalism, Organizational or interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry.</td>
<td>3(3,1)</td>
<td>-</td>
<td>Odd Fall, Even Spring</td>
</tr>
<tr>
<td>RTV 3301</td>
<td>Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3304</td>
<td>Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 3501</td>
<td>Broadcast Copywriting: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television.</td>
<td>1(1,2)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 3942L</td>
<td>Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. May be repeated for credit. Graded S/U.</td>
<td>1(3,0-9)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4206C</td>
<td>Television Directing: PR: RTV 3228C and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources with emphasis on dramatic value and composition.</td>
<td>4(4,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 4211C</td>
<td>Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Occasional.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 4270C</td>
<td>Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Fall</td>
</tr>
<tr>
<td>RTV 4290C</td>
<td>Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4291C</td>
<td>Webcasting I: PR: RTV Major and PR or CR: RTV 3228C.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4292C</td>
<td>Webcasting II: PR: RTV 4200C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web.</td>
<td>3(3,3)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4320C</td>
<td>Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director.</td>
<td>3(1,3)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 4322C</td>
<td>Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program.</td>
<td>3(1,3)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4403</td>
<td>Electronic Media, Technology, and Society: PR: or CR: RTV 3000. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>RTV 4503</td>
<td>Sports Programming on Broadcast and Cable: PR: RTV 3000 or C.I. An examination of the factors that determine how sporting events are constructed for programming on broadcast stations and cable systems.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4505</td>
<td>Program Issues for TV &amp; Motion Pictures: PR: RTV 3000 or FIL 2400. An examination of program development theories, strategies and issues in the television and motion picture industries.</td>
<td>3(3,1)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RTV 4700</td>
<td>Regulation of Broadcasting: PR: RTV Majors only, RTV 3000. Federal, state, local and self-regulatory agencies and practices which govern electronic media.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall</td>
</tr>
<tr>
<td>RTV 4800</td>
<td>Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Odd Spring</td>
</tr>
<tr>
<td>RUS 1120</td>
<td>Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the master language skills: listening, speaking, reading and writing. Open only to students with no experience in this language.</td>
<td>4(4,1)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 1121</td>
<td>Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120.</td>
<td>4(4,1)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 2200</td>
<td>Intermediate Russian Language and Civilization: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level.</td>
<td>3(3,1)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 2201</td>
<td>Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 2210</td>
<td>Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 3240</td>
<td>Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>RUS 3760</td>
<td>Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Occasional</td>
</tr>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School: PR: Junior standing or C.I. Selected concepts; organizing for instruction; evaluation procedures.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall, Spring</td>
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<tr>
<td>SCE 4023</td>
<td>Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum.</td>
<td>3(3,0)</td>
<td>-</td>
<td>Fall</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school.</td>
<td>4(3,2)</td>
<td>-</td>
<td>Fall, Spring</td>
</tr>
</tbody>
</table>

**M&S fee:** $30.00
SCE 5325 ED-TLP 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOI, and inquiry in science. Occasional.

SCE 5632 ED-TLP 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.


SCE 5825 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(2,1) Strategies for Success in College: This course is designed to address the 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 BCBS-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.


SOP 3004 COS-PSYCH 3(3,0) Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PSYCH 3(3,0) Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PSYCH 3(3,0) The Psychology of Racial Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward ethnic groups: effects of racism on individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PSYCH 3(3,0) Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0) Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PPE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 COS-PSYCH 3(3,0) Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.

SOP 5059 COS-PSYCH 3(3,0) Advanced Social Psychology: PR: SOP 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) Introduction to Social Services: Introduction to social services, with emphasis on the role of the professional social worker and current career opportunities. Fall.

SOW 3104 HPA-SOWK 3(3,0) Assessing I: Human Development: Skill development in assessing “person-in-environment” throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.


SOW 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 3352 HPA-SOWK 3(1,2) Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: Professional practice. Fall.

SOW 3401 HPA-SOWK 3(3,0) Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(2,1) Social Work with Minorities: PR: SOW 3203, and SOW 3104; PR or CR: SOW 3300. Study of oppressed groups and relevant social work interventions; skill development in work with, and in behalf of, people of minority groups. Spring.

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 resource systems. Fall.

SOW 4311 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: PR: SOP 3300 and Admission to BSW program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 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, SSOW 3104, or Gerontology Certificate Major or C.I. Development of intensive 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: Prevention and Control: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0) Children’s Services: PR: or CR: SOW 3104. Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. Even Spring.

SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.
SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 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 5109 HPA-SOWK 3(3,0) Violence Against Women: A Global Perspective: PR: Graduate status or C.I. An introduction to the types of violence that impact women from a global perspective. Community, political, and economic issues that support violence against women will be discussed by country, ethnic group, within countries, and religious principles. Odd 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 state, federal, and local 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 certification program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW Program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532. Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.

SOW 5603 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: Graduate standing or C.I. Study of social work roles, interventions, and issues related to helping clients in health settings. Spring.

SOW 5604 HPA-SOWK 3(3,0) Medications in Social Work Practice: PR: graduate standing, post-bacc status, senior in SW program or C.I. The study of the effects that psychotropic medications can have within the counseling/helping relationship. Spring.

SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5635 HPA-SOWK 3(3,0) Social Work Practice in Schools: PR: Social Work Graduate standing or C.I. Study of knowledge, skills and abilities necessary for competent practice with students, their teachers, families, schools and communities. Even Spring.

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 5644 HPA-SOWK 3(3,0) Interventions with Elders and Their Families: PR: Admission to Gerontology graduate certification program or MSW program or C.I. Study of concepts, skills, models and theories for intervening with aged. Special attention is given to minority populations. Even Spring.


SOW 5655 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 5662 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SOW 5670 HPA-SOWK 3(3,0) Gay and Lesbian Experience in American Society: PR: seniors or graduate status. Sexual orientation in a cultural context: resources and policies affecting gay and lesbian people; and professional considerations in interventions with and for gay and lesbian clients. Occasional.

SOW 5712 HPA-SOWK 3(3,0) Interventions with Substance Abusers: Strategies for working with persons who abuse drugs, alcohol, and other substances. Odd Fall, Spring.

SOW 5713 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Graduate status or C.I. An indepth review of prevention, intervention and Treatment of Adolescent Substance Abuse. Even Spring.

SOW 5735 HPA-SOWK 3(3,0) Social Work Practice in Schools: PR: Graduate standing, post-bacc status, senior in SW program or C.I. Study of societel responses to children's needs. Spring.

SOW 5846 HPA-SOWK 3(3,0) Spirituality in Professional Counseling: PR: graduate standing, post-bacc status, seniors, or C.I. Examination of spirituality as it relates to professional counseling. Odd Spring.

SPA 2631 HPA-COMD 3(3,0) Issues of Deaflatness: PR: C.I. The impact of deaflatness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

SPA 3002 HPA-COMD 3(3,0) Introduction to Communicative Disorders: Etiology, symptoms, and methods of diagnosing and treating communicative disorders. For beginning and prospective majors in communicative disorders. Occasional.

SPA 3011 HPA-COMD 3(3,0) Speech Science I: Production: Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011.1 HPA-COMD 1(0,1) Speech Production Lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3010 HPA-COMD 3(3,0) Physiological Bases of Speech and Hearing: PR: SPA 3002. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3014 HPA-COMD 3(3,0) Neural Bases of Communication: PR: SPA 3101. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3112</td>
<td>HPA-COMD 3(3,0) Basic Phonetics: CR: SPA 311L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.</td>
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<tr>
<td>SPA 3112L</td>
<td>HPA-COMD 1(0,1) Basic Phonetics Lab: CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded SU. Fall, Spring.</td>
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<tr>
<td>SPA 3123</td>
<td>HPA-COMD 3(3,0) Speech Science II: Perception: CR: SPA 3112, SPA 301L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.</td>
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<tr>
<td>SPA 3123L</td>
<td>HPA-COMD 1(0,1) Speech Perception Lab: CR: SPA 3123. Laboratory techniques in investigating human speech perception. Graded SU. Fall, Spring.</td>
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<tr>
<td>SPA 3471</td>
<td>HPA-COMD 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.</td>
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<tr>
<td>SPA 3472</td>
<td>HPA-COMD 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 3002. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.</td>
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<tr>
<td>SPA 3621</td>
<td>HPA-COMD 3(3,0) Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. Occasional.</td>
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<tr>
<td>SPA 3632</td>
<td>HPA-COMD 3(3,0) Communicative Disorders in the Deaf and Hard of Hearing Population.: PR: SPA 2631 or C.I. Speech, language, and hearing problems in the DHH population, including etiology, pathology, and management of hearing disorders. Occasional.</td>
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<tr>
<td>SPA 4052L</td>
<td>HPA-COMD 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4550C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>SPA 4201</td>
<td>HPA-COMD 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&amp;S fee: $15.00</td>
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<tr>
<td>SPA 4241</td>
<td>HPA-COMD 3(3,0) Genetic Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. Spring.</td>
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<tr>
<td>SPA 4321</td>
<td>HPA-COMD 3(3,0) Aural Habilitation: Rehabilitation: PR: SPA 4032, SPA 4400, SPA 4201. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. Fall, Spring.</td>
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<tr>
<td>SPA 4400</td>
<td>HPA-COMD 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.</td>
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<tr>
<td>SPA 4476</td>
<td>HPA-COMD 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3002, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallow disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding swallowing. Fall, Spring.</td>
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<tr>
<td>SPA 4478</td>
<td>HPA-COMD 3(3,0) Multicultural Aspects: Communication Disorders &amp; Differences: PR: LIN 3717. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.</td>
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<tr>
<td>SPA 4550C</td>
<td>HPA-COMD 5(3,2) Clinical Methods in Communication Disorders: PR: SPA 4201 and SPA 4400. The principles and techniques of case management with an emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours. Fall, Spring.</td>
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<tr>
<td>SPA 4555</td>
<td>HPA-COMD 3(3,0) Counseling in Communicative Disorders: PR: SPA 4550C. Practical interviewing and counseling in the area of Communicative Disorders. Spring.</td>
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<tr>
<td>SPA 4559</td>
<td>HPA-COMD 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3717. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.</td>
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<tr>
<td>SPA 4612</td>
<td>HPA-COMD 4(4,0) Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.</td>
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<tr>
<td>SPA 4613</td>
<td>HPA-COMD 4(4,0) Intermediate American Sign Language: PR: SPA 4612. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.</td>
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<tr>
<td>SPA 4615</td>
<td>HPA-COMD 4(4,0) American Sign Language IV: PR: SPA 4614C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, &quot;reading&quot; signed phrases and sentences. Occasional.</td>
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<td>SPA 4617</td>
<td>HPA-COMD 3(3,0) Structure of American Sign Language: PR: SPA 4612 and SPA 4613 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.</td>
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<td>SPA 4626</td>
<td>HPA-COMD 3(3,0) Fingerspelling: PR: SPA 4612 and SPA 4613 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.</td>
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<tr>
<td>SPA 4628</td>
<td>HPA-COMD 3(3,0) Literature of Signed Languages: PR: SPA 2631. 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.</td>
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<td>SPA 4634</td>
<td>HPA-COMD 3(3,0) Educational Implications of Deafness: PR: SPA 2631. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.</td>
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<td>SPA 4652</td>
<td>HPA-COMD 3(3,0) Ethics of Interpreting Sign Language: PR: SPA 4612, SPA 4613, SPA 4614C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.</td>
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<td>SPA 4660C</td>
<td>HPA-COMD 4(3,1) Interactive Interpreting I: PR: SPA 4612, SPA 4613 and SPA 4614C 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>
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<td>SPA 4662C</td>
<td>HPA-COMD 4(3,1) Interactive Interpreting II: PR: SPA 4660C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. Occasional.</td>
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<td>SPA 4803</td>
<td>HPA-COMD 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.</td>
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<td>SPA 4948</td>
<td>HPA-COMD 3(0,3) Community Internship: PR: SPA 4550C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.</td>
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<td>SPA 5473</td>
<td>HPA-COMD 3(3,0) Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.</td>
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SPA 5477  HPA-COMD  3(3,0)
Aging and Communication: PR: Senior status or CI. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

SPA 5559  HPA-COMD  3(3,0)
Augmentative and Alternative Communication Systems: PR: Senior status or CI. The total integrated network of technologies, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Fall, Spring.

SPA 5561  HPA-COMD  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 5570  HPA-COMD  3(3,0)

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 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)
SPN 3234 CAH-LANG 3(3,0) Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG 3(3,0) Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3341 CAH-LANG 3(3,0) Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 3343 CAH-LANG 3(3,0) Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPN 3344 CAH-LANG 3(3,0) Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPN 3345 CAH-LANG 3(3,0) Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

SPN 3402 CAH-LANG 3(3,0) Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3420 CAH-LANG 3(3,0) Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3512 CAH-LANG 3(3,0) Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0) Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulariy building with systematic training in diction and intonation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0) Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socialization. Occasional.

SPN 3852 CAH-LANG 3(3,0) Bilingüismo: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. Occasional.

SPN 3933 CAH-LANG 1(1,0) Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0) Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Spring.

SPN 4410 CAH-LANG 3(3,0) Advanced Spanish Composition: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0) Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0) Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0) Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0) Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. This course concentrates on the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0) Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criteria when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0) AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPT 3800 CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.


SPW 3000H CAH-LANG 3(3,0) Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0) Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.
SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor’s technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcón, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. Course could be repeated for credit when topic changes. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semesters) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. Course could be repeated for credit when topic changes. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4600 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3130 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary works of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3131. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

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 certification certificate program. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1060C COS-STAT 3(2,1) Basic Statistics Using Microsoft Excel: Applications of Excel, manipulating data, single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MAC 1105 or MGR 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-IEMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 and computer programming. Axions of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-IEMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language, Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4153 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 4183). Economics of insurance, utility theory, single premium reserves for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163. Introduction to the application of statistical principles and methods to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amonization schedules and sinking funds. Bonds, securities and related funds. Fall.


STA 4231 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 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 4664 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.


STA 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 5156. Discussion and presentation by actuarial practitioners. Occasional.


STA 5103 COS-STAT 3(3,0) Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation, graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5139 COS-STAT 3(3,0) Credibility Theory and Loss Distribution: PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact credibility; Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5176 COS-STAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5185 COS-STAT 3(3,0) Advanced Theory of Interest: PR: MAC 2512 and STA 2023, graduate status or senior standing, or C.I. Measurement of interest, valuation of annuities, determination of yield rates on investments, fixed income securities, mortgages, etc. Fall.

STA 5205 COS-STAT 3(3,0) Experimental Design: PR: STA 4154, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication, incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-STAT 3(3,0) Statistical Analysis: PR: STA 2023, not open to students who have completed STA 4154. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.

STA 5646 COS-STAT 3(3,0) Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. Occasional.

STA 5703 COS-STAT 3(3,0) Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision trees. Fall.

STA 5825 COS-STAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

STA 5940 COS-STAT 1(1,0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.

SUR 2101C ECS-CEE 3(2,3) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.
SYA 3110 COS-SOC 3(3,0)
The Development of Social Thought: 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)
Modern Sociological Thought: 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 3400 COS-SOC 4(3,1)
Research Methods and Statistics: PR: SYG 2000 and one other sociology course. Fall.

SYA 4112 COS-SOC 3(3,0)

SYA 4300 COS-SOC 4(3,2)
Research Methods: PR: SYG 2000 or SYG 2010 and SYA 3400 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4314C COS-SOC 4(3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300. 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 4300 and SYA 3400. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC 3(3,2)

SYA 5625 COS-SOC 3(3,0)
ProSeminar: PR: Graduate status or senior 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 status or senior standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.

SYD 3410 COS-SOC 3(3,0)

SYD 3700 COS-SOC 3(3,0)
Race and Ethnic Minorities in the United States: Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.
THE 3082 CAH-THEA 3(3,0)

THE 3110 CAH-THEA 3(3,0)
Theatre History I: PR: (THE 2020 or THE 2000) and THE 2304 and Theatre major or departmental consent. Development of theatre arts from prehistory through the 17th century. Occasional.

THE 3111 CAH-THEA 3(3,0)

THE 3212 CAH-THEA 3(3,0)
Global Theatre: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 3230 CAH-THEA 3(3,0)
Commonality within Cultural Diversity Experienced through Theatre: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3240 CAH-THEA 3(3,0)
Musical Theatre Survey: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Through the study of dramatic literature, this course explores the commonality of human experience among various cultural groups. Occasional.

THE 3282 CAH-THEA 3(3,0)
Period Props and Furniture: PR: THE 2020 or THE 2000, and Theatre major or departmental consent. Viewing and discussion of major styles of architecture, ornament, fabric, and furniture that individualize the specific time and location from Egypt to Deco. Occasional.

THE 3305 CAH-THEA 3(3,0)
Dramatic Literature I: PR: (THE 2020 or THE 2000) and THE 2304 and Theatre major or departmental consent. Playscripts from Sophocles to Jonson. Occasional.

THE 3306 CAH-THEA 3(3,0)

THE 3311 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature: PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Occasional.

THE 3312 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature II: PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Occasional.

THE 3313 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature III: PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from modern realism to present. Occasional.

THE 4093L CAH-THEA 1(0,VAR)
UCF Courses and Descriptions

TPA 3060C  CAH-THEA  3(2,2)
Scenic Design for Theatre I: PR: Grade of C (2.0) or better required in TPA 2010. Projects in the fundamentals of scenic design for the stage. Fall.

TPA 3061  CAH-THEA  3(2,2)
Scene Design II: PR: Restricted to B.F.A. technical Theatre/design majors or Departmental consent, C (2.0) or better required in TPA 3060C. Continuation of TPA 3060C. An intensive, practical scenic design course dealing with various theatrical styles, genres, multiple and simultaneous settings. Includes script analysis and project design work with an emphasis on visualization of design concepts through models and scenic renderings. Required of all B.F.A. technical theatre/design majors. Spring.

TPA 3077  CAH-THEA  3(2,2)
Scene Painting: PR: Grade of C (2.0) or better required in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall.

TPA 3195  CAH-THEA  3(3,0)
Theatre Studio/Design: PR: Junior standing, Theatre major or C.I. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional.

TPA 3197  CAH-THEA  3(3,0)
Summer Theatre Studio/Design: PR: Departmental consent. Production assignments and responsibilities during the rehearsal/performance of playscripts produced on the UCF mainstage. May be repeated for credit. Occasional.

TPA 3221  CAH-THEA  3(2,2)
Lighting Design for Theatre I: PR: Grade of C (2.0) or better required in TPA 2010. Projects in the fundamentals of lighting design for the stage. Spring.

TPA 3230  CAH-THEA  3(2,2)
Costume Construction: PR: BFA DesignTech or Stage Management major or Department Consent, C (2.0) or better required in TPA 2210 or TPA 2200L. Lecture/laboratory study of the basic techniques used in the drafting, cutting, fitting, and construction of stage costumes. Required of all technical theatre/design majors. Spring.

TPA 3249  CAH-THEA  2(2,2)
Advanced Makeup Techniques: PR: Restricted to B.F.A. Theatre majors or departmental consent, C (2.0) or better required in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional.

TPA 3250  CAH-THEA  2(2,2)
CADD for Theatre: PR: Restricted to B.F.A. Theatre majors or departmental consent, C (2.0) or better required in TPA 2211. Fundamental computer aided drafting and design and its application for Theatre. Fall.

TPA 3251  CAH-THEA  2(2,2)
Advanced CADD for Theatre: PR: Restricted to B.F.A. Theatre majors or departmental consent, C (2.0) or better required in TPA 3250. Advanced computer aided drafting and design and its application for Theatre. Spring.

TPA 3260  CAH-THEA  3(3,0)
Sound Design For the Theatre: PR: THE 2020 or THE 2000, TPA 2211. Restricted to Theatre majors or departmental consent. Exploration of the aesthetic and technological aspects of sound as they relate to the art and craft of theatre majors. Spring.

TPA 3401  CAH-THEA  3(3,0)
Theatre Careers for Tech/Management: PR: B.F.A. Theatre majors, Junior standing. Exploration and assimilation of successful marketing techniques needed to secure employment in Theatre or related segments of the entertainment industry. Spring.

TPA 3601  CAH-THEA  3(3,0)
Stage Management: PR: Grade of C (2.0) or better required in TPA 2__ (Stage Management Basics). Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.

TPA 4041C  CAH-THEA  3(2,2)
Costume Design II: PR: Grade of C (2.0) or better required in TPA 3040. A continuation of Costume Design I. Costume Design including research, color, body types, and fabric to generate costume design sketches for theatrical play productions. Spring.

TPA 4224  CAH-THEA  3(3,0)
Lighting Design II for Theatre: PR: C (2.0) in TPA 3221. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paper work standards and practices. Occasional.

TPA 4264C  CAH-THEA  3(2,2)
Sound Design II for Theatre: PR: C (2.0) in TPA 3260. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.

TPA 4293L  CAH-THEA  1(0, VAR)
Theatre Participation-Production III: PR: Theatre major, C (2.0) or better required in TPA 2290L. Participation in UCF Theatre Productions. May be repeated for credit 8 times. Fall, Spring.

TPA 4400  CAH-THEA  3(3,0)
Theatre Management: PR: Grade of C (2.0) or better required in TPA 2210, TPA 2201. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.

TPA 4602  CAH-THEA  3(3,0)
Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 4940  CAH-THEA  6(0,40)
Technical Theatre/Design Internship: PR: Restricted to B.F.A. Technical Theatre/design and Stage Management majors. The internship is subject to Departmental approval. Off-campus internship programs provide opportunity for practical work in professional theatre. Contact the Departmental office for specific requirements. Occasional.

TPA 5042C  CAH-THEA  3(3,0)
Costume Design Studio: PR: Admission into the graduate program, TPA 3043C, TPA 3044C, 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 5081  CAH-THEA  3(3,0)
Design Concepts for Youth Theatre: PR: Admission to MFA graduate program or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5258C  CAH-THEA  3(2,2)
AutoCad-2D for Theatre: PR: Admission into the MFA Design Program. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5299C  CAH-THEA  3(2,2)
AutoCad-3D for Theatre: PR: Admission into the graduate program and TPA 5258C. Three-dimensional computer drafting and editing techniques applicable for theatre design. Occasional.

TPA 5405  CAH-THEA  3(3,0)
Theatre Management for Non-Majors: PR: THE 2020 or THE 2000, graduate status, or C.I. Study of university community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performances 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.

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)

TPP 2110C  CAH-THEA  3(2,2)
Acting I - Introduction: PR: B.F.A. Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Development of imagination, self-awareness, and the ability to execute basic stage tasks. Fall, Spring.

TPP 2170C  CAH-THEA  3(2,2)
Acting II - Fundamentals: PR: TPP 2110C, DAA 2200C, and THE 2304 and (THE 2020 or THE 2000) and (TPP 2710C or MUT 1004) and BFA Theatre Performance/Musical Theatre major. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185  CAH-THEA  3(3,0)
Acting for Non-majors: Basic introduction to the fundamentals of acting with emphasis upon the development of imagination, self-awareness, sense, memory, improvisation, and the ability to execute basic stage tasks. Fall, Spring.

TPP 2190  CAH-THEA  1(0,20)
Theatre Production/Performance I: PR: Not restricted to Theatre majors but requires departmental consent. Participation in UCF Theatre Productions. Required of all B.F.A. theatre performance majors. Fall, Spring. M&S fee: $15.00
UCF Courses and Descriptions

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)

TPP 2710C CAH-THEA 2(2,1)

TPP 3103 CAH-THEA 3(3,0)
Intermediate Acting: PR: B.A. Theatre major and C (2.0) or better required in TPP 2101. Practice and execution of scene work, monologue work, and exercises. Occasional.

TPP 3172C CAH-THEA 3(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197 CAH-THEA 3(0,30)
Summer Theatre/Performance: PR: Open to non-Theatre majors with departmental consent. Production assignments and responsibilities during the rehearsals/performances of play departments produced on the UCF mainstage. May be repeated for credit. Occasional.

TPP 3223 CAH-THEA 3(3,0)

TPP 3250 CAH-THEA 3(3,0)
Musical Theatre Acting Performance I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA 3(3,0)
Musical Theatre Acting Performance II: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3250. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257 CAH-THEA 2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3250. Musical Theatre major and C (2.0) or better required in THE 2000 or THE 2020. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. Spring.

TPP 3258 CAH-THEA 2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3257. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor: PR: DAA 2200C, DAA 2201C, TPP 2110C, TPP 2170C, BFA Performance Major. Active physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3512C CAH-THEA 2(2,1)
Stage Combat: PR: Grade of C (2.0) or better required in TPP 4531C. Stage combat with emphasis on hand-to-hand combat. Spring.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better required in TPP 3510C. Reinforcement of techniques and practices found in Movement for the Actor I. Occasional.

TPP 3711C CAH-THEA 2(2,1)
Voice Production II: PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of the awareness introduced in Voice I, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA 2(2,1)
Voice Production III: PR: Grade of C (2.0) or better required in TPP 3711C. Continuation of Voice Production II; emphasis on study of Shakespeare 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 3952 CAH-THEA 3(3,30)
Studio Performance: PR: Junior standing or C.I. Not restricted to Theatre majors but requires department consent. Studio performance provides the specific application of the theatre artist's training to full scale theatre productions. May be repeated for credit. Occasional.

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: Grade of C (2.0) or better required in TPP 3712C. Continued exploration and application of acting technique through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)
Acting V - Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Spring.

TPP 4143C CAH-THEA 3(2,2)
Acting Styles: PR: Grade of C (2.0) or better required in TPP 3103 and TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193 CAH-THEA 1(0,20)
Theatre Production/Performance IV: PR: Not restricted to Theatre majors but requires Departmental consent. Participation in UCF Theatre productions. Required of all B.F.A. theatre performance majors. Fall, Spring. M$F fee: $15.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: Junior Standing, and C (2.0) or better required in TPP 3103 and TPP 4140C. Selecting monologues, auditioning techniques and cold readings. Occasional.

TPP 4243C CAH-THEA 2(2,2)

TPP 4271C CAH-THEA 2(2,2)

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice V: PR: TPP 4093 and Theatre major or departmental consent. Continuation of advanced diagnosis and development of the singing voice and its application to musical theatre performance. Fall.

TPP 4284 CAH-THEA 3(3,0)

TPP 4259 CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: BFA Musical Theatre major, and C (2.0) or better required in TPP 3258. Individualized instruction - diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Spring.

TPP 4265C CAH-THEA 3(3,2)
Acting VI - Acting for TV/Film: PR: B.F.A. Theatre Performance major or B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3522 or TPP 4142C. Application of previous acting training to the TV/Film medium. Fall.

TPP 4268 CAH-THEA 3(3,2)
Acting VII Advanced Acting For TV/Film: PR: Grade of C (2.0) or better required in TPP 4285C. 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: TPP 4093 and Theatre major or departmental consent. Continuation of advanced diagnosis and development of the singing voice and its application to musical theatre performance. Fall.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: TPP 4270C and Theatre major or departmental consent. Continuation of advanced diagnosis and development of the singing voice and its application to musical theatre performance. Fall.

TPP 4311 CAH-THEA 3(2,2)

TPP 45310 CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3312C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4923 CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: BFA Musical Theatre major and C (2.0) or better required in TPP 4529. Individualized instruction. Patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Fall.

TPP 4940L CAH-THEA 6(0, VAR)

TPP 5125CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to MFA Performance Program. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio II: PR: TPP 5156C or C.I. An advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Chekhov/Shaw. Spring.
UCF Courses and Descriptions

TPP 5273 CAH-THEA 3(3,0) Musical Theatre Acting I: PR: Admission to MFA Musical Theatre Majors. 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(2,2) Acting for Young Audiences: PR: Admission to MFA graduate program or C.I. A guided investigation of the principles and techniques of acting for young audiences. Even Fall.

TPP 5386 CAH-THEA 3(3,0) Directing for Young Audiences: PR: THE 5910 and Dramatic Literature for Children. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0) Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1) Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.


TPP 5555C CAH-THEA 2(2,4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development of principles of movement and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1) Stage Voice II: PR: Admission to the MFA Performance Program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, review of all Lekhatter work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2) Contemporary Practices in Young Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be repeated for credit 4 times. Odd Spring.

TSL 4080 ED-TLP 3(3,0) Theory and Practice of Teaching ESL 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 4141 CAH-LANG 3(3,0) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. Fall, Spring.

TSL 5143 CAH-LANG 3(3,0) ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5245 CAH-LANG 3(3,0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. 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 5373 ED-TLP 3(3,0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodologies, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5376 CAH-LANG 3(3,0) Reading and writing in a second language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5525 ED-TLP 3(3,0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5940 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials, adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.


TTE 4601C ECS-CEE 3(2,2) Urban Systems Design: PR: TTE 4004. Project course on design of transportation and urban systems using engineering design methodologies. Spring. M&S fee: $15.00

TTE 5204 ECS-CEE 3(3,0) Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signs, signals, and markings. Occasional.

TTE 5700 ECS-CEE 3(3,0) Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.

TTE 5805 ECS-CEE 3(3,0) Geometric Design of Transportation Systems: PR: TTE 4004. Study of geometric and construction design elements in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CEE 3(3,0) Pavement Design: PR: CEG 4101C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-R/TV 3(3,0) Visual Communication: A study of the visual system of man and the influences of the visual media on modern society. Occasional.

WOH 2012 CAH-HIST 3(3,0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.


WOH 2022 CAH-HIST 3(3,0) World Civilization II: 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.

WOH 2022H CAH-HIST 3(3,0) World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WST 3015 CAH-ENG 3(3,0) Introduction to Women’s Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3460 CAH-WOM 3(3,0) Womanist Studies: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM 3(3,0) Honors Womanist Studies: PR: ENC 1102 and consent of Honors. Disciplines promoting scholarship promoting a feminist of color perspective. With Honors content. Occasional.

WST 3500 CAH-WOM 3(3,0) Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3561 CAH-WOM 3(3,0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 4002 CAH-WOM 1(1,0) Researching Women and Gender: PR: WST 3015 or C.I. Introduces students to scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.
M&S fee: $15.00

Theories in Gender Studies: PR: Graduate status or senior standing, or C.I. Introduction to foundational scholarship in gender studies. Emphasis on theoretical and interdisciplinary approaches to gender and sexuality in contemporary scholarship. Even Fall.

ZOO 3701C BCBS-M&M 3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring.

ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee: $35.00

ZOO 3733C BCBS-M&M 4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall. Spring. M&S fee: $15.00

ZOO 3733H BCBS-M&M 4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Consent. Spring.

ZOO 3736C BCBS-M&M 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, C.I. Gross anatomy for exercise physiology majors. Fall. Spring. M&S fee: $15.00

ZOO 3744 BCBS-M&M 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall. Spring.

ZOO 4205C COS-BIOL 4(3,3)

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee: $45.00

ZOO 4513 COS-BIOL 3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.

ZOO 4603C COS-BIOL 5(3,4)

ZOO 4704C BCBS-M&M 4(3,1)
Clinical Neuroanatomy and Neurosciences: 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 4753C BCBS-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: $15.00

ZOO 5456C COS-BIOL 4(2,6)
Ichthyology: PR: ZOO 4310C, and graduate status or senior standing or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&S fee: $25.00

ZOO 5463C COS-BIOL 4(2,6)
Herpetology: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Occasional. M&S fee: $15.00

ZOO 5475C COS-BIOL 4(2,6)
Ornithology: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of birds, their classification, evolution, and life histories. Occasional. M&S fee: $15.00

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 5517 COS-BIOL 1(1,0)
Methods for Studying Animal Behavior in Zoo Setting: PR: an animal behavior course, graduate status or senior standing, or C.I. Research techniques used to study animals in captivity. Occasional.

ZOO 5520 COS-BIOL 3(3,0)
Behavioral Ecology: PR: graduate status or senior standing, and C.I. Introduction to the field of Behavioral Ecology, which studies evolution of animal behavior in the wild. Occasional.

ZOO 5745C BCBS-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 5815 COS-BIOL 4(4,0)
Zoogeography: PR: 8 hours of zoology, and graduate status or senior standing or C.I. Principles and concepts concerning regional patterns of animal distributions of the world, both past and present. Occasional. M&S fee: $15.00

ZOO 5881C COS-BIOL 4(3,4)
Fisheries Management: PR: ZOO 4312C, 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

ZOO 5891 COS-BIOL 1(1,0)
Applied Conservation Biology: PR: Graduate status or senior standing or C.I. Examination of issues surrounding care, maintenance and tracking animals in small populations. Occasional.

ZOO 5893L COS-BIOL 1(0,3)
Reproductive Management in Zoological Environments: PR: PCB 4732, graduate status or senior standing, or C.I. Laboratory techniques used to improve reproductive success of animals in a zoological environment. Occasional.
The date indicates the first year of employment at the University of Central Florida.


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WATSON, JIMMY L., Assistant Vice President for Campus Life and Director Off-Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)

WEIDMAN, DIANA, Director of Eastern Region Campus Life (1984), B.S., M.A. (University of Central Florida)

WELCH, KERRY, Director, Office of Student Involvement

WILKENING, JAMES, Associate Director for Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)

WILLIAMS, ASHLEY B., Coordinator of REACH Peer Education and Adjunct Professor (2002), B.S.W., M.S. Ed. (Florida State University)

WINFIELD, HERBERT H., Associate Director, Technology Transfer (2002), B.S.E.E. (University of Florida), M.S. in Engineering Management (New Jersey Institute of Technology)

WINTER, DEBRA Y., Associate Director, Office of Graduate Financial Assistance and Publications (1996), B.A., M.A. (University of Central Florida)
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<td>June, 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
<td>Charles N. Millican, Doctor of Laws</td>
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<td>August, 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
<td>Roald Hoffman, Doctor of Science</td>
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<td>Howard Phillips, Doctor of Public Service</td>
<td>April, 1996, Nicolaas Bloembergen, Doctor of Science</td>
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<td>July, 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
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<tr>
<td>December, 1982</td>
<td>William E. Davis, Doctor of Public Service</td>
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<tr>
<td>December, 1982</td>
<td>Joseph A. Boyd, Doctor of Engineering Science</td>
<td>Reubin O'D Askew, Doctor of Public Service</td>
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<tr>
<td>May, 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
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<tr>
<td>May, 1985</td>
<td>Jerry Collins, Doctor of Public Service</td>
<td>LeRoy T. Walker, Sr., Doctor of Public Service</td>
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<td>May, 1985</td>
<td>D. Robert Graham, Doctor of Public Service</td>
<td>James Bacchus, Doctor of Public Service</td>
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<td>March, 1986</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
<td>December 13, 2004, Dr. G. Vince Amico, Doctor of Science</td>
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<tr>
<td>October, 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
<td>December 14, 2004, Dr. Lester Mandell, Doctor of Commercial Science</td>
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<tr>
<td>December, 1988</td>
<td>John D. Holloway, Doctor of Public Service</td>
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<td>May, 1989</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>May, 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>David Albertson, Doctor of Humane Letters</td>
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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/Drop: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through MyUCF (https://my.ucf.edu) without penalty by adding or dropping courses. Students should check the appropriate term’s Schedule Web 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 “SASS Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelor 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).

BCBS: Burnett College of Biomedical Sciences.

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

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.

Ct: consent of instructor.

Class Schedule Search: a component of the online MyUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

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 nine colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Burnett College of Biomedical Sciences (BCBS), College of Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Optics and Photonics (COP), The Burnett Honors College (BHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught has a number of credit hours for a class reflects approximately the total hours a student spends in week in class. Each lecture course is 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.

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.

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: a student may drop a course during the official Add/Drop period and a dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment Certification: an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at 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 In 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.

GOT: the Grad On Track program is designed to assure a student’s graduation in four years.

Grade Forgiveness: refers to a course taken at UCF and 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: a 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: a complement to a bachelor's degree program/major requiring at least 18 credit hours in a field.

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Minor: a group of related courses that constitute a focused program of study in a specific area of knowledge.

NID: Network Identification Number that students use to log in to WebCT, Pegasus e-mail and the UCF computer labs.

OASIS: Office of Academic Support and Information Services is the primary office for undergraduate academic assistance in the College of Arts and Humanities and the College of Sciences.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal IDentification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PID: (Personal IDentification Number); personal eight-digit code required when entering MyUCF or the UCF Information Kiosks.

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, e-mail address, telephone number, and permanent/mailing addresses; search for courses each term; register, drop and add courses each term; withdraw from courses following the close of Late Registration and Add/Drop, print the "SASS 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.

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.

SASS Degree Audit: A Student Academic Support System is a computerized degree audit that lists courses completed toward major and degree requirements.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (See "Office of Student Financial Assistance" within the "Financial Information" section of this Undergraduate Catalog.)

Schedule Web Guide: Multiple-Term editions available online at http://registrars.ucf.edu. Provides the "Academic Calendar," guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. For each term's class listings are available only on-line through MyUCF Class Schedule Search at https://my.ucf.edu.

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.

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 Howdaj 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-recognized institution.

UCF Area Campus System: UCF at Cocoa, UCF at Daytona Beach, UCF Downtown, UCF at Heathrow, UCF at MetroWest, UCF at Ocala, UCF at Osceola, UCF at Palm Bay, UCF at Sanford/Lake Mary, UCF at South Lake, UCF at South Orlando.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

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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